muRata
INNOVATOR IN ELECTRONICS

# Chip Monolithic Ceramic Capacitors

2016

## EU RoHS Compliant

- All the products in this catalog comply with EU RoHS.
- EU RoHS is "the European Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment."
- For more details, please refer to our website 'Murata's Approach for EU RoHS' (http://www.murata.com/en-eu/support/compliance/rohs).

## Qualified Standards

- The products listed here have been produced by ISO 9001 certified factory.

<Plant>

- Fukui Murata Mfg. Co., Ltd.
- Izumo Murata Mfg. Co., Ltd.
- Murata Electronics Singapore (Pte.) Ltd.
- Wuxi Murata Electronics Co., Ltd.
- PHILIPPINE MANUFACTURING CO. OF MURATA, INC.

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Product specifications are as of August 2016.


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Please check the MURATA website (**http://www.murata.com/**)
if you cannot find a part number in this catalog.

# Explanation of Symbols in This Catalog

| | |
|---|---|
| WEB | Links are provided to the latest information from the PDF version of the catalog, which is available on the web. |

| | |
|---|---|
| General | For applications that do not require a particular reliability. such as general equipment. |
| Info-tainment | Infotainment for Automotive<br>The product for entertainment equipment like car navigations, car audios, and body control equipment like wipers, power windows. |
| Power-train | Powertrain/Safety for Automotive<br>Products use for applications (running, turning, stopping, and safety devices) that particularly concern human life, such as in devices for automotive. |
| Medical Device | Medical-grade products for Implanted Medical Devices<br>These products are intended for use in implanted medical devices such as cardiac pacemakers, cochlear implants, insulin pumps, and gastric electrostimulators. They are suitable for use in non-critical circuits .*1<br>*1 Non-critical circuits<br>This term refers to circuits in implanted medical devices that are not directly linked to life support, i.e. circuits that will not directly endanger the life of the patient should the functionality of the device be reduced or halted by failure of the circuit. |
| AEC-Q200 | AEC-Q200 compliant product |
| Safety standard | Safety Standard Certified Product<br>Products that acquired safety standard certification IEC60384-14 and products based on the Electrical Appliance and Material Safety Law of Japan. |
| High Q | Low dissipation for high frequency<br>By devising ceramic materials and electrode materials, low dissipation is achieved in frequency bands of VHF, UHF, and microwave or beyond. |
| Low ESL | Low inductance<br>This capacitor is designed so that the parasitic inductance component (ESL) that the capacitor has on the high frequency side becomes lower. |
| Fail safe | Fail safe product<br>This capacitor is designed to prevent failures as much as possible by short mode. |
| Deflecting crack | Product resistant to deflection cracking<br>This capacitor is designed to prevent failures as much as possible by short mode caused by cracking when there is board deflection. |
| Soldering crack | Product with solder cracking suppression<br>This capacitor is configured with metal terminals and leads connected to the chip. The metal terminals and leads relieve the stress from expansion and contraction of the solder, to suppress solder cracking. |
| Anti-noise | Product suitable for acoustic noise reduction and low distortion<br>This product suppresses acoustic noise, which occurs when a ceramic capacitor is used, by devising the materials and configuration. |

| | |
|---|---|
| Effective Cap | No DC bias characteristics<br>Polymer capacitor is no capacitance change with DC bias due to aluminum oxidized film for dielectric. |
| EMI FIL® | Low-inductance product suitable for noise suppression.<br>This product has extremely low ESL and is suitable for suppression of noise, including high frequencies.<br>This product can also be used as a low-ESL, high-performance bypass capacitor. |
| Bonding | Product for bonding<br>Since gold is used for the external electrodes, the capacitor can be mounted by die bonding/wire bonding. |
| D1 Derating 1 | Derating 1<br>This product is suitable when a voltage continuously applied to a capacitor in an operating circuit, is used below (derated) the rated voltage of the capacitor. This model guarantees the test conditions in the endurance test, at a rated voltage x 100% at the maximum operating temperature. A reliability assurance level equivalent to a common product can be secured, by using this product within the voltage and temperature derated conditions recommended in the figure below.<br>Recommended Conditions of the Derating Operating Voltage and Temperature<br> <br> |
| D2 Derating 2 | Derating 2<br>When the product temperature exceeds 105°C, please use this product within the voltage and temperature derated conditions in the figure below.<br> <br> |
| D3 Derating 3 | Derating 3<br>Please apply the derating curve according to the operating temperature.<br>Please refer to detailed specifications sheet for details. |

# Selection Guide for Capacitors

| | | | AEC-Q200 | Safety standard | High Q | Low ESL | Anti-noise | Fail safe | Deflecting crack | Soldering crack | Effective Cap | EMI FIL® | Other |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General | GRM | P24 | | | | | | | | | | | |
| | GRM | WEB | | | | | | | | | | | For LED backlight only |
| | GA2 | WEB | | | | | | | | | | | |
| | GA3 | WEB | | | | | | | | | | | |
| | GJM | P91 | | | | | | | | | | | |
| | GMA | P113 | | | | | | | | | | | Wire bondable |
| | GMD | P116 | | | | | | | | | | | Wire bondable |
| | GQM | P119 | | | | | | | | | | | |
| | GR3 | P130 | | | | | | | | | | | |
| | GR4 | WEB | | | | | | | | | | | For communication / information devices |
| | GR7 | WEB | | | | | | | | | | | Limited to camera flashes |
| | GRJ | P132 | | | | | | | | | | | |
| | KR3 | P147 | | | | | | | | | | | |
| | KRM | P144 | | | | | | | | | | | |
| | LLA | P136 | | | | | | | | | | | |
| | LLL | P138 | | | | | | | | | | | |
| | LLM | P140 | | | | | | | | | | | |
| | LLR | P142 | | | | | | | | | | | |
| | NFM | P150 | | | | | | | | | | | |
| | DE1 | WEB | | | | | | | | | | | |
| | DE2 | WEB | | | | | | | | | | | |
| | DEJ | WEB | | | | | | | | | | | |
| | DHR | WEB | | | | | | | | | | | |
| | RDE | WEB | | | | | | | | | | | |
| | DHK | WEB | | | | | | | | | | | |
| | DHS | WEB | | | | | | | | | | | |
| | ECAS | WEB | | | | | | | | | | | |
| Medical Device | GCH | P152 | | | | | | | | | | | For Implanted Medical Devices |
| Info-tainment | GRT | WEB | | | | | | | | | | | |
| Power-train | GCM | WEB | | | | | | | | | | | |
| | GC3 | WEB | | | | | | | | | | | |
| | GCD | WEB | | | | | | | | | | | |
| | GCE | WEB | | | | | | | | | | | |
| | GCG | WEB | | | | | | | | | | | Limited to conductive glue mounting |
| | GCJ | WEB | | | | | | | | | | | |
| | KC3 | WEB | | | | | | | | | | | |
| | KCA | WEB | | | | | | | | | | | |
| | KCM | WEB | | | | | | | | | | | |
| | NFM | WEB | | | | | | | | | | | |
| | DE6 | WEB | | | | | | | | | | | |
| | RCE | WEB | | | | | | | | | | | |
| | RH | WEB | | | | | | | | | | | |

# Catalog information

Catalog relates to a multilayer ceramic capacitor is below.

**Chip Monolithic Ceramic Capacitors**

Cat No. C02E-20

**Chip Monolithic Ceramic Capacitors for Automotive**

Cat No. C03E-9

**Safety Certified Ceramic Capacitors/ High Voltage Ceramic Capacitors**

Cat No. C85E-5

**Radial Lead Type Monolithic Ceramic Capacitors**

Cat No. C49E-23

## Part Numbering

### Chip Monolithic Ceramic Capacitors for General

WEB

(Part Number)

| GR | M | 18 | 8 | B1 | 1H | 102 | K | A01 | D |
|---|---|---|---|---|---|---|---|---|---|
| ❶ | ❷ | ❸ | ❹ | ❺ | ❻ | ❼ | ❽ | ❾ | ❿ |

❶Product ID ❷Series

| Product ID | Code | Series |
|---|---|---|
| GC | H | For implantable medical devices (Non-critical circuits) |
| GJ | M | High Q type for high frequency |
| GM | A | Wire bondable vertical electrode type |
| | D | Wire bondable/AuSn solderable type |
| GQ | M | High Q type for high frequency and high power |
| GR | 3 | High effective capacitance & High allowable ripple current |
| | J | Soft termination type |
| | M | General purpose products |
| KR | 3 | Metal terminal type/High effective capacitance & High allowable ripple current |
| | M | Metal terminal type |
| LL | A | 8 terminal low ESL type |
| | L | LW reversed low ESL type |
| | M | 10 terminal low ESL type |
| | R | ESR controlled low ESL type |

❸Chip Dimensions (LxW)

| Code | Dimensions (LxW) | EIA |
|---|---|---|
| 02 | 0.4x0.2mm | 01005 |
| 0D | 0.38x0.38mm | 015015 |
| 03 | 0.6x0.3mm | 0201 |
| 05 | 0.5x0.5mm | 0202 |
| 08 | 0.8x0.8mm | 0303 |
| 1U | 0.6x1.0mm | 02404 |
| 15 | 1.0x0.5mm | 0402 |
| 18 | 1.6x0.8mm | 0603 |
| 21 | 2.0x1.25mm | 0805 |
| 22 | 2.8x2.8mm | 1111 |
| 31 | 3.2x1.6mm | 1206 |
| 32 | 3.2x2.5mm | 1210 |
| 42 | 4.5x2.0mm | 1808 |
| 43 | 4.5x3.2mm | 1812 |
| 55 | 5.7x5.0mm | 2220 |

Continued on the following page.↗

(Part Number) GR M 18 8 B1 1H 102 K A01 D
❶ ❷ ❸ ❹ ❺ ❻ ❼ ❽ ❾ ❿

Continued from the preceding page.↘

❹Height Dimension (T) (Except **KR**□)

| Code | Dimension (T) |
|---|---|
| 1 | 0.125mm |
| 2 | 0.2mm |
| 3 | 0.3mm |
| 4 | 0.4mm |
| 5 | 0.5mm |
| 6 | 0.6mm |
| 7 | 0.7mm |
| 8 | 0.8mm |
| 9 | 0.85mm |
| A | 1.0mm |
| B | 1.25mm |
| C | 1.6mm |
| D | 2.0mm |
| E | 2.5mm |
| M | 1.15mm |
| Q | 1.5mm |
| S | 2.8mm |
| X | Depends on individual standards. |

❹Height Dimension (T) (**KR**□ Only)

| Code | Dimension (T) |
|---|---|
| E | 1.8mm |
| F | 1.9mm |
| K | 2.7mm |
| L | 2.8mm |
| Q | 3.7mm |
| T | 4.8mm |
| W | 6.4mm |

❺Temperature Characteristics

| Temperature Characteristic Codes | | | Temperature Characteristics | | | Operating Temperature Range | Capacitance Change Each Temperature (%) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Code | Public STD Code | | Reference Temperature | Temperature Range | Capacitance Change or Temperature Coefficient | | −55°C | | *4 | | −10°C | |
| | | | | | | | Max. | Min. | Max. | Min. | Max. | Min. |
| 1X | SL | JIS | 20°C | 20 to 85°C | +350 to −1000ppm/°C | −55 to 125°C | - | - | - | - | - | - |
| 2C | CH | JIS | 20°C | 20 to 125°C | 0±60ppm/°C | −55 to 125°C | 0.82 | −0.45 | 0.49 | −0.27 | 0.33 | −0.18 |
| 3C | CJ | JIS | 20°C | 20 to 125°C | 0±120ppm/°C | −55 to 125°C | 1.37 | −0.9 | 0.82 | −0.54 | 0.55 | −0.36 |
| 3U | UJ | JIS | 20°C | 20 to 85°C | −750±120ppm/°C | −25 to 85°C | - | - | 4.94 | 2.84 | 3.29 | 1.89 |
| 4C | CK | JIS | 20°C | 20 to 125°C | 0±250ppm/°C | −55 to 125°C | 2.56 | −1.88 | 1.54 | −1.13 | 1.02 | −0.75 |
| 5C | C0G | EIA | 25°C | 25 to 125°C | 0±30ppm/°C | −55 to 125°C | 0.58 | −0.24 | 0.4 | −0.17 | 0.25 | −0.11 |
| 5G | X8G | *2 | 25°C | 25 to 150°C | 0±30ppm/°C | −55 to 150°C | 0.58 | −0.24 | 0.4 | −0.17 | 0.25 | −0.11 |
| 7U | U2J | EIA | 25°C | 25 to 125°C *3 | −750±120ppm/°C | −55 to 125°C | 8.78 | 5.04 | 6.04 | 3.47 | 3.84 | 2.21 |
| B1 | B *1 | JIS | 20°C | −25 to 85°C | ±10% | −25 to 85°C | - | - | - | - | - | - |
| B3 | B | JIS | 20°C | −25 to 85°C | ±10% | −25 to 85°C | - | - | - | - | - | - |
| C7 | X7S | EIA | 25°C | −55 to 125°C | ±22% | −55 to 125°C | - | - | - | - | - | - |
| C8 | X6S | EIA | 25°C | −55 to 105°C | ±22% | −55 to 105°C | - | - | - | - | - | - |
| D7 | X7T | EIA | 25°C | −55 to 125°C | +22%, −33% | −55 to 125°C | - | - | - | - | - | - |
| D8 | X6T | EIA | 25°C | −55 to 105°C | +22%, −33% | −55 to 105°C | - | - | - | - | - | - |
| E7 | X7U | EIA | 25°C | −55 to 125°C | +22%, −56% | −55 to 125°C | - | - | - | - | - | - |
| R1 | R *1 | JIS | 20°C | −55 to 125°C | ±15% | −55 to 125°C | - | - | - | - | - | - |
| R6 | X5R | EIA | 25°C | −55 to 85°C | ±15% | −55 to 85°C | - | - | - | - | - | - |
| R7 | X7R | EIA | 25°C | −55 to 125°C | ±15% | −55 to 125°C | - | - | - | - | - | - |

*1 Capacitance change is specified with 50% rated voltage applied.
*2 Murata Temperature Characteristic Code.
*3 Rated Voltage 100Vdc max: 25 to 85°C
*4 −25°C (Reference Temperature 20°C) / −30°C (Reference Temperature 25°C)

Continued on the following page.↗

(Part Number)

| GR | M | 18 | 8 | B1 | 1H | 102 | K | A01 | D |
|---|---|---|---|---|---|---|---|---|---|
| ❶ | ❷ | ❸ | ❹ | ❺ | ❻ | ❼ | ❽ | ❾ | ❿ |

Continued from the preceding page.↘

❻Rated Voltage

| Code | Rated Voltage |
|---|---|
| 0E | DC2.5V |
| 0G | DC4V |
| 0J | DC6.3V |
| 1A | DC10V |
| 1C | DC16V |
| 1E | DC25V |
| 1H | DC50V |
| 1J | DC63V |
| 1K | DC80V |
| 2A | DC100V |
| 2D | DC200V |
| 2E | DC250V |
| 2W | DC450V |
| 2H | DC500V |
| 2J | DC630V |
| 3A | DC1kV |
| 3D | DC2kV |
| 3F | DC3.15kV |
| YA | DC35V |

❼Capacitance

Expressed by three-digit alphanumerics. The unit is picofarad (pF). The first and second figures are significant digits, and the third figure expresses the number of zeros which follow the two numbers. If there is a decimal point, it is expressed by the capital letter "**R**." In this case, all figures are significant digits.
If any alphabet, other than "**R**", is included, this indicates the specific part number is a non-standard part.

Ex.)

| Code | Capacitance |
|---|---|
| R50 | 0.50pF |
| 1R0 | 1.0pF |
| 100 | 10pF |
| 103 | 10000pF |

❽Capacitance Tolerance

| Code | Capacitance Tolerance |
|---|---|
| B | ±0.1pF |
| C | ±0.25pF |
| D | ±0.5pF (Less than 10pF) |
| | ±0.5% (10pF and over) |
| F | ±1% |
| G | ±2% |
| J | ±5% |
| K | ±10% |
| M | ±20% |
| W | ±0.05pF |

❾Individual Specification Code (Except **LLR**)

Expressed by three figures.

❾ESR (**LLR** Only)

| Code | ESR |
|---|---|
| E01 | 100mΩ |
| E03 | 220mΩ |
| E05 | 470mΩ |
| E07 | 1000mΩ |

❿Packaging

| Code | Packaging |
|---|---|
| L | ø180mm Embossed Taping |
| D/E/W | ø180mm Paper Taping |
| K | ø330mm Embossed Taping |
| J/F | ø330mm Paper Taping |
| B | Bulk |
| C | Bulk Case |
| T | Bulk Tray |

Please contact us if you find any part number not provided in this table.

## 3 Terminal Low ESL Monolithic Ceramic Capacitors

WEB

(Part Number)

| NF | M | 3D | CC | 102 | R | 1H | 3 | L |
|---|---|---|---|---|---|---|---|---|
| ❶ | ❷ | ❸ | ❹ | ❺ | ❻ | ❼ | ❽ | ❾ |

❶Product ID ❷Series

| Product ID | Series |
|---|---|
| NFM | 3 Terminal Low ESL Type |

❸Dimensions (LxW)

| Code | Dimensions (LxW) | EIA |
|---|---|---|
| 15 | 1.0x0.5mm | 0402 |
| 18 | 1.6x0.8mm | 0603 |
| 21 | 2.0x1.25mm | 0805 |
| 3D | 3.2x1.25mm | 1205 |
| 31 | 3.2x1.6mm | 1206 |
| 41 | 4.5x1.6mm | 1806 |

❹Features

| Code | Features | |
|---|---|---|
| CC | For General | For Signal Lines |
| PC | | For Large Current |
| PS | | High Insertion Loss Type for Large Current |
| KC | | For Very Large Current |

❺Capacitance

Expressed by three figures. The unit is in pico-farad (pF). The first and second figures are significant digits, and the third figure expresses the number of zeros that follow the two figures.

❻Characteristics

| Code | Capacitance Temperature Characteristics |
|---|---|
| B | ±10%, ±12.5%, +10/-13% |
| C | ±22% |
| D | +22/-33% |
| F | +30/-80%, +30/-84% |
| R | ±15%, +15/-18% |

❼Rated Voltage

| Code | Rated Voltage |
|---|---|
| 0E | 2.5V |
| 0G | 4V |
| 0J | 6.3V |
| 1A | 10V |
| 1C | 16V |
| 1E | 25V |
| 1H | 50V |
| 2A | 100V |

❽Electrode

| Code | Electrode |
|---|---|
| 3 | Sn Plating |

❾Packaging

| Code | Packaging |
|---|---|
| B | Bulk |
| L | Embossed Taping (ø180mm Reel) |
| D | Paper Taping (ø180mm Reel) |

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## How to read the Capacitance Table

| L×W (mm) | 0.4×0.2 | | 0.6 | | |
|---|---|---|---|---|---|
| T max. (mm) | 0.22 | | 0 | | |
| Rated Voltage (Vdc) | 25 | | 50 | | |
| Cap. / TC Code | C0G | CΔ | C0G | CK | CJ |
| 0.10pF | | | | | |
| 0.20pF | p92 | p95 | p98 | p98 | |
| 1.0pF | p92 | p95 | | p98 | |
| 2.0pF | p92 | p95 | | p98 | |
| 3.0pF | p92 | p95 | | | p98 |

The values can be narrowed down in the order of size, rated voltage, and temperature characteristics.

Refers to the page of the part number list.
Check the part number list for the applicable product number.

## Temperature Characteristics Table

The Table is colored by temperature characteristic codes.
Refer to the following Table for the meaning of each code.

EIA: C0G U2J X7R X7S X7T X7U X6S X6T X5R
JIS: CK CJ CH SL UJ R B
Murata Temperature Characteristic: X8G

| Temperature Characteristic Codes | | Temperature Characteristics | | | Operating Temperature Range | Capacitance Change Each Temperature (%) | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Public STD Code | | Reference Temperature | Temperature Range | Capacitance Change or Temperature Coefficient | | −55°C | | *3 | | −10°C | |
| | | | | | | Max. | Min. | Max. | Min. | Max. | Min. |
| C0G | EIA | 25°C | 25 to 125°C | 0±30ppm/°C | −55 to 125°C | 0.58 | −0.24 | 0.4 | −0.17 | 0.25 | −0.11 |
| CK | JIS | 20°C | 20 to 125°C | 0±250ppm/°C | −55 to 125°C | 2.56 | −1.88 | 1.54 | −1.13 | 1.02 | −0.75 |
| CJ | JIS | 20°C | 20 to 125°C | 0±120ppm/°C | −55 to 125°C | 1.37 | −0.9 | 0.82 | −0.54 | 0.55 | −0.36 |
| CH | JIS | 20°C | 20 to 125°C | 0±60ppm/°C | −55 to 125°C | 0.82 | −0.45 | 0.49 | −0.27 | 0.33 | −0.18 |
| SL | JIS | 20°C | 20 to 85°C | +350 to −1000ppm/°C | −55 to 125°C | - | - | - | - | - | - |
| U2J | EIA | 25°C | 25 to 125°C *2 | −750±120ppm/°C | −55 to 125°C | 8.78 | 5.04 | 6.04 | 3.47 | 3.84 | 2.21 |
| UJ | JIS | 20°C | 20 to 85°C | −750±120ppm/°C | −25 to 85°C | - | - | 4.94 | 2.84 | 3.29 | 1.89 |
| X8G | *1 | 25°C | 25 to 150°C | 0±30ppm/°C | −55 to 150°C | 0.58 | −0.24 | 0.4 | −0.17 | 0.25 | −0.11 |
| X7R | EIA | 25°C | −55 to 125°C | ±15% | −55 to 125°C | - | - | - | - | - | - |
| X7S | EIA | 25°C | −55 to 125°C | ±22% | −55 to 125°C | - | - | - | - | - | - |
| X7T | EIA | 25°C | −55 to 125°C | +22%, −33% | −55 to 125°C | - | - | - | - | - | - |
| X7U | EIA | 25°C | −55 to 125°C | +22%, −56% | −55 to 125°C | - | - | - | - | - | - |
| R | JIS | 20°C | −55 to 125°C | ±15% | −55 to 125°C | - | - | - | - | - | - |
| X6S | EIA | 25°C | −55 to 105°C | ±22% | −55 to 105°C | - | - | - | - | - | - |
| X6T | EIA | 25°C | −55 to 105°C | +22%, −33% | −55 to 105°C | - | - | - | - | - | - |
| X5R | EIA | 25°C | −55 to 85°C | ±15% | −55 to 85°C | - | - | - | - | - | - |
| B | JIS | 20°C | −25 to 85°C | ±10% | −25 to 85°C | - | - | - | - | - | - |

*1 Murata Temperature Characteristic Code.
*2 Rated Voltage 100Vdc max: 25 to 85°C
*3 −25°C (Reference Temperature 20°C) / −30°C (Reference Temperature 25°C)

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## GRM Series Temperature Compensating Type

p00 ← Part Number List  JIS: CK CJ CH SL UJ  EIA: C0G U2J

| L×W (mm) | 0.4×0.2 | | | | | | 0.6×0.3 | | | | | | 1.0×0.5 | | | | | | | 1.6×0.8 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.22 | | | | | | 0.33 | | | | | | 0.55 | | | | | | | 0.5 | | | | | | 0.9 | |
| Rated Voltage (Vdc) | 50 | | 25 | | 16 | | 100 | | 50 | | 25 | | 100 | | 50 | | 10 | | | 50 | | | 10 | | | 100 | |
| Cap. / TC Code | C0G | CΔ | C0G | CH | C0G | CH | C0G | CΔ | C0G | CΔ | C0G | CH | C0G | CΔ | C0G | CΔ | SL | U2J | UJ | SL | U2J | UJ | SL | U2J | UJ | C0G | CΔ |
| 0.10pF | | | | | | | p32 | p35 | p38 | p41 | | | p45 | p48 | p52 | p55 | | | | | | | | | | | |
| 0.20pF | p25 | p28 | | | | | p32 | p35 | p38 | p41 | | | p45 | p48 | p52 | p55 | | | | | | | | | | | |
| 0.50pF | p25 | p28 | | | | | p32 | p35 | p38 | p41 | | | p45 | p49 | p52 | p55 | | | | | | | | | | p59 | p63 |
| 1.0pF | p25 | p28 | | | | | p32 | p35 | p38 | p41 | | | p45 | p49 | p52 | p56 | | | | | | | | | | p60 | p63 |
| 2.0pF | p25 | p28 | | | | | p32 | p35 | p38 | p42 | | | p46 | p49 | p52 | p56 | | | | | | | | | | p60 | p63 |
| 3.0pF | p25 | p29 | | | | | p32 | p35 | p39 | p42 | | | p46 | p49 | p53 | p56 | | | | | | | | | | p60 | p63 |
| 4.0pF | p26 | p29 | | | | | p33 | p36 | p39 | p42 | | | p46 | p49 | p53 | p56 | | | | | | | | | | p60 | p64 |
| 5.0pF | p26 | p29 | | | | | p33 | p36 | p39 | p43 | | | p46 | p50 | p53 | p57 | | | | | | | | | | p61 | p64 |
| 6.0pF | p26 | p30 | | | | | p33 | p36 | p40 | p43 | | | p47 | p50 | p53 | p57 | | | | | | | | | | p61 | p64 |
| 7.0pF | p27 | p30 | | | | | p34 | p37 | p40 | p43 | | | p47 | p50 | p54 | p57 | | | | | | | | | | p61 | p65 |
| 8.0pF | p27 | p30 | | | | | p34 | p37 | p40 | p44 | | | p47 | p51 | p54 | p58 | | | | | | | | | | p62 | p65 |
| 9.0pF | p27 | p31 | | | | | p34 | p37 | p41 | p44 | | | p48 | p51 | p55 | p58 | | | | | | | | | | p62 | p65 |
| 10pF | p28 | p31 | | | | | p35 | p38 | p41 | p44 | | | p48 | p52 | p55 | p59 | | | | | | | | | | p63 | p66 |
| 11pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12pF | p28 | p31 | | | | | p35 | p38 | p41 | p44 | | | p48 | p52 | p55 | p59 | | | | | | | | | | p63 | p66 |
| 13pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15pF | p28 | p31 | | | | | p35 | p38 | p41 | p44 | | | p48 | p52 | p55 | p59 | | | | | | | | | | p63 | p66 |
| 16pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18pF | p28 | p31 | | | | | | | p41 | p45 | | | p48 | p52 | p55 | p59 | | | | | | | | | | p63 | p66 |
| 19pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22pF | p28 | p31 | | | | | | | p41 | p45 | | | p48 | p52 | p55 | p59 | | | | | | | | | | p63 | p66 |
| 23pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27pF | p28 | p31 | | | | | | | p41 | p45 | | | p48 | p52 | p55 | p59 | | | | | | | | | | p63 | p66 |
| 30pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33pF | p28 | p31 | | | | | | | p41 | p45 | | | p48 | p52 | p55 | p59 | | | | | | | | | | p63 | p66 |
| 36pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39pF | p28 | p31 | | | | | | | p41 | p45 | | | p48 | p52 | p55 | p59 | | | | | | | | | | p63 | p66 |
| 43pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47pF | p28 | p31 | | | | | | | p41 | p45 | | | p48 | p52 | p55 | p59 | | | | | | | | | | p63 | p66 |
| 51pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56pF | p28 | p31 | | | | | | | p41 | p45 | | | p48 | p52 | p55 | p59 | | | | | | | | | | p63 | p66 |
| 62pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68pF | p28 | p31 | | | | | | | p41 | p45 | | | p48 | p52 | p55 | p59 | | | | | | | | | | p63 | p66 |
| 75pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82pF | p28 | p31 | | | | | | | p41 | p45 | | | p48 | p52 | p55 | p59 | | | | | | | | | | p63 | p66 |
| 91pF | p28 | p31 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100pF | p28 | p31 | | | | | | | p41 | p45 | | | p48 | p52 | p55 | p59 | | | | | | | | | | p63 | p66 |
| 120pF | | | p31 | p31 | p31 | p31 | | | p41 | p45 | | | | | p55 | p59 | | | | | | | | | | p63 | p66 |
| 150pF | | | p31 | p31 | p31 | p32 | | | p41 | p45 | | | | | p55 | p59 | | | | | | | | | | p63 | p66 |
| 180pF | | | p31 | p31 | p31 | p32 | | | p41 | p45 | | | | | p55 | p59 | | | | | | | | | | p63 | p66 |
| 220pF | | | p31 | p31 | p31 | p32 | | | p41 | p45 | | | | | p55 | p59 | | | | | | | | | | p63 | p66 |
| 270pF | | | | | | | | | | | p45 | p45 | | | p55 | p59 | | | | | | | | | | p63 | p66 |
| 330pF | | | | | | | | | | | p45 | p45 | | | p55 | p59 | | | | | | | | | | p63 | p66 |
| 390pF | | | | | | | | | | | p45 | p45 | | | p55 | p59 | | | | | | | | | | p63 | p66 |
| 470pF | | | | | | | | | | | p45 | p45 | | | p55 | p59 | | | | | | | | | | p63 | p66 |
| 560pF | | | | | | | | | | | p45 | p45 | | | p55 | p59 | | | | | | | | | | p63 | p66 |
| 680pF | | | | | | | | | | | p45 | p45 | | | p55 | p59 | | | | | | | | | | p63 | p66 |
| 820pF | | | | | | | | | | | p45 | p45 | | | p55 | p59 | | | | | | | | | | p63 | p66 |
| 910pF | | | | | | | | | | | p45 | | | | | | | | | | | | | | | | |
| 1000pF | | | | | | | | | | | p45 | p45 | | | p55 | p59 | | | | | | | | | | p63 | p66 |
| 1200pF | | | | | | | | | | | | | | | | | p59 | p59 | p59 | | | | | | | p63 | p66 |
| 1500pF | | | | | | | | | | | | | | | | | p59 | p59 | p59 | | | | | | | p63 | p66 |
| 1800pF | | | | | | | | | | | | | | | | | p59 | p59 | p59 | | | | | | | | |
| 2200pF | | | | | | | | | | | | | | | | | p59 | p59 | p59 | p59 | p59 | p59 | | | | | |
| 2700pF | | | | | | | | | | | | | | | | | p59 | p59 | p59 | p59 | p59 | p59 | | | | | |
| 3300pF | | | | | | | | | | | | | | | | | p59 | p59 | p59 | p59 | p59 | p59 | | | | | |
| 3900pF | | | | | | | | | | | | | | | | | p59 | p59 | p59 | p59 | p59 | p59 | | | | | |
| 4700pF | | | | | | | | | | | | | | | | | p59 | p59 | p59 | p59 | p59 | p59 | | | | | |
| 5600pF | | | | | | | | | | | | | | | | | | | | | | | p59 | p59 | p59 | | |
| 6800pF | | | | | | | | | | | | | | | | | | | | | | | p59 | p59 | p59 | | |
| 8200pF | | | | | | | | | | | | | | | | | | | | | | | p59 | p59 | p59 | | |
| 10000pF | | | | | | | | | | | | | | | | | | | | | | | p59 | p59 | p59 | | |
| 12000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.10μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.12μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |

The indication for every 0.1 pF has been omitted for less than 10 pF. Refer to the Part Number List for details.

Continued on the following page.↗

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## (→ GRM Series Temperature Compensating Type)

p00 ← Part Number List  JIS: CK CJ CH SL UJ  EIA: C0G U2J

| L×W (mm) | 1.6×0.8 | | | | | | | | 2.0×1.25 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.9 | | | | | | | | 0.7 | | | | | | | 0.95 | | | | | | | | 1.0 | | | |
| Rated Voltage (Vdc) | 50 | | | | | 10 | | | 100 | | 50 | | | | | 50 | | | | | 10 | | | 250 | | 200 | |
| Cap. / TC Code | C0G | CΔ | SL | U2J | UJ | SL | U2J | UJ | C0G | CH | C0G | CH | SL | U2J | UJ | C0G | CH | SL | U2J | UJ | SL | U2J | UJ | C0G | U2J | C0G | U2J |
| 0.10pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.20pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.50pF | p66 | p69 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0pF | p66 | p70 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0pF | p66 | p70 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0pF | p67 | p70 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.0pF | p67 | p70 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0pF | p67 | p71 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.0pF | p68 | p71 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.0pF | p68 | p71 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.0pF | p68 | p72 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.0pF | p69 | p72 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10pF | p69 | p73 | | | | | | | | | | | | | | | | | | | | | | p74 | | p75 | |
| 11pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12pF | p69 | p73 | | | | | | | | | | | | | | | | | | | | | | p74 | | p75 | |
| 13pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15pF | p69 | p73 | | | | | | | | | | | | | | | | | | | | | | p74 | | p75 | |
| 16pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18pF | p69 | p73 | | | | | | | | | | | | | | | | | | | | | | p74 | | p75 | |
| 19pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22pF | p69 | p73 | | | | | | | | | | | | | | | | | | | | | | p74 | | p75 | |
| 23pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27pF | p69 | p73 | | | | | | | | | | | | | | | | | | | | | | p74 | | p75 | |
| 30pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33pF | p69 | p73 | | | | | | | | | | | | | | | | | | | | | | p74 | | p75 | |
| 36pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39pF | p69 | p73 | | | | | | | | | | | | | | | | | | | | | | p74 | | p75 | |
| 43pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47pF | p69 | p73 | | | | | | | | | | | | | | | | | | | | | | p74 | | p75 | |
| 51pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56pF | p69 | p73 | | | | | | | | | | | | | | | | | | | | | | p74 | | p75 | |
| 62pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68pF | p69 | p73 | | | | | | | | | | | | | | | | | | | | | | p74 | | p75 | |
| 75pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82pF | p69 | p73 | | | | | | | | | | | | | | | | | | | | | | p74 | | p75 | |
| 91pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100pF | p69 | p73 | | | | | | | p73 | p74 | | | | | | | | | | | | | | p74 | p74 | p75 | p75 |
| 120pF | p69 | p73 | | | | | | | p73 | p74 | | | | | | | | | | | | | | p74 | p74 | p75 | p75 |
| 150pF | p69 | p73 | | | | | | | p73 | p74 | | | | | | | | | | | | | | p74 | p74 | p75 | p75 |
| 180pF | p69 | p73 | | | | | | | p73 | p74 | | | | | | | | | | | | | | p74 | p74 | p75 | p75 |
| 220pF | p69 | p73 | | | | | | | p73 | p74 | | | | | | | | | | | | | | p74 | p74 | p75 | p75 |
| 270pF | p69 | p73 | | | | | | | p73 | p74 | | | | | | | | | | | | | | p74 | p74 | p75 | p75 |
| 330pF | p69 | p73 | | | | | | | p73 | p74 | | | | | | | | | | | | | | p74 | p74 | p75 | p75 |
| 390pF | p69 | p73 | | | | | | | p73 | p74 | | | | | | | | | | | | | | p74 | p74 | | p75 |
| 470pF | p69 | p73 | | | | | | | p73 | p74 | | | | | | | | | | | | | | p74 | p75 | | p75 |
| 560pF | p69 | p73 | | | | | | | p73 | p74 | | | | | | | | | | | | | | p74 | p75 | | p75 |
| 680pF | p69 | p73 | | | | | | | p73 | p74 | | | | | | | | | | | | | | p74 | p75 | | p75 |
| 820pF | p69 | p73 | | | | | | | p73 | p74 | | | | | | | | | | | | | | p74 | p75 | | p75 |
| 910pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000pF | p69 | p73 | | | p73 | | | | p73 | p74 | | | | | | | | | | | | | | p74 | p75 | | p75 |
| 1200pF | p69 | p73 | p73 | p73 | p73 | | | | p73 | p74 | p74 | p74 | | | | | | | | | | | | p74 | p75 | | p75 |
| 1500pF | p69 | p73 | p73 | p73 | p73 | | | | p73 | p74 | p74 | p74 | | | | | | | | | | | | p74 | p75 | | p75 |
| 1800pF | p69 | p73 | p73 | p73 | p73 | | | | p74 | p74 | p74 | p74 | | | | | | | | | | | | p74 | p75 | | p75 |
| 2200pF | p69 | p73 | p73 | p73 | p73 | | | | p74 | p74 | p74 | p74 | | | | | | | | | | | | p74 | p75 | | p75 |
| 2700pF | p69 | p73 | p73 | p73 | p73 | | | | p74 | p74 | p74 | p74 | | | | | | | | | | | | p74 | | | |
| 3300pF | p69 | p73 | p73 | p73 | p73 | | | | p74 | p74 | p74 | p74 | | | | | | | | | | | | | | | |
| 3900pF | p69 | p73 | p73 | p73 | p73 | | | | | | p74 | p74 | | | | | | | | | | | | | | | |
| 4700pF | p69 | p73 | p73 | p73 | p73 | | | | | | p74 | p74 | | | | | | | | | | | | | | | |
| 5600pF | p69 | p73 | p73 | p73 | p73 | | | | | | | | | | | p74 | p74 | | | | | | | | | | |
| 6800pF | p69 | p73 | p73 | p73 | p73 | | | | | | | | | | | p74 | p74 | | | | | | | | | | |
| 8200pF | p69 | p73 | p73 | p73 | p73 | | | | | | | | | | | p74 | p74 | | | | | | | | | | |
| 10000pF | p69 | p73 | p73 | p73 | p73 | | | | | | | | | | p74 | p74 | p74 | | | | | | | | | | |
| 12000pF | | | | | | p73 | p73 | p73 | | | | | p74 | p74 | p74 | p74 | p74 | | | | | | | | | | |
| 15000pF | | | | | | p73 | p73 | p73 | | | | | p74 | p74 | p74 | p74 | p74 | | | | | | | | | | |
| 18000pF | | | | | | p73 | p73 | p73 | | | | | p74 | p74 | p74 | | | | | | | | | | | | |
| 22000pF | | | | | | p73 | p73 | p73 | | | | | | | | | | p74 | p74 | p74 | | | | | | | |
| 27000pF | | | | | | | | | | | | | | | | | | p74 | p74 | p74 | | | | | | | |
| 33000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56000pF | | | | | | | | | | | | | | | | | | | | | p74 | p74 | p74 | | | | |
| 68000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.10μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.12μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Continued on the following page.↗

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## (→ GRM Series Temperature Compensating Type)

p00 ← Part Number List JIS: CK CJ CH SL UJ EIA: C0G U2J

| L×W (mm) | 2.0×1.25 | | | | | | | | | | | | | | 3.2×1.6 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 1.0 | | | 1.35 | | | | | | | | 1.45 | | | 0.95 | | | | | | | 1.0 | | | | | |
| Rated Voltage (Vdc) | 50 | | | 50 | | | | | 10 | | | 250 | | 200 | 100 | | 50 | | | | | 2000 | 1000 | | 630 | | 500 |
| Cap. / TC Code | SL | U2J | UJ | C0G | CH | SL | U2J | UJ | SL | U2J | UJ | C0G | U2J | U2J | C0G | CH | C0G | CH | SL | U2J | UJ | U2J | C0G | U2J | C0G | U2J | C0G |
| 0.10pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.20pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.50pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10pF | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p76 | p76 | p77 |
| 11pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12pF | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p76 | p76 | p77 |
| 13pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15pF | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p76 | p76 | p77 |
| 16pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18pF | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p76 | p76 | p77 |
| 19pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22pF | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p76 | p77 | p77 |
| 23pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27pF | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p76 | p77 | p77 |
| 30pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33pF | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p76 | p77 | p77 |
| 36pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39pF | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p76 | p77 | p77 |
| 43pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47pF | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p76 | p77 | p77 |
| 51pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56pF | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p76 | p77 | p77 |
| 62pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68pF | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p76 | p77 | p77 |
| 75pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82pF | | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p77 | p77 |
| 91pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100pF | | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p77 | p77 |
| 120pF | | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p77 | p77 |
| 150pF | | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p77 | p77 |
| 180pF | | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p77 | p77 |
| 220pF | | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p77 | p77 |
| 270pF | | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p77 | p77 |
| 330pF | | | | | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | p77 | p77 |
| 390pF | | | | | | | | | | | | | | | | | | | | | | | p76 | | p76 | p77 | p77 |
| 470pF | | | | | | | | | | | | | | | | | | | | | | | p76 | | p76 | p77 | p77 |
| 560pF | | | | | | | | | | | | | | | | | | | | | | | | | p76 | p77 | p77 |
| 680pF | | | | | | | | | | | | | | | | | | | | | | | | | | p77 | |
| 820pF | | | | | | | | | | | | | | | | | | | | | | | | | | p77 | |
| 910pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000pF | | | | | | | | | | | | | | | | | | | | | | | | | | p77 | |
| 1200pF | | | | | | | | | | | | | | | | | | | | | | | | | p76 | p77 | |
| 1500pF | | | | | | | | | | | | | | | | | | | | | | | | | p76 | p77 | |
| 1800pF | | | | | | | | | | | | | | | p75 | p75 | | | | | | | | | p76 | p77 | |
| 2200pF | | | | | | | | | | | | | | | p75 | p75 | | | | | | | | | | p77 | |
| 2700pF | | | | | | | | | | | | | p75 | p75 | p75 | p75 | | | | | | | | | | | |
| 3300pF | | | | | | | | | | | | p75 | p75 | p75 | p75 | p75 | | | | | | | | | | | |
| 3900pF | | | | | | | | | | | | p75 | p75 | p75 | p75 | p75 | | | | | | | | | | | |
| 4700pF | | | | | | | | | | | | p75 | p75 | p75 | p75 | p75 | | | | | | | | | | | |
| 5600pF | | | | | | | | | | | | | p75 | p75 | p75 | p76 | | | | | | | | | | | |
| 6800pF | | | | | | | | | | | | | | | p75 | p76 | | | | | | | | | | | |
| 8200pF | | | | | | | | | | | | | | | p75 | p76 | | | | | | | | | | | |
| 10000pF | | | | | | | | | | | | | | | p75 | p76 | | | | | | | | | | | |
| 12000pF | | | | | | | | | | | | | | | p75 | p76 | p76 | p76 | | | | | | | | | |
| 15000pF | | | | | | | | | | | | | | | p75 | p76 | p76 | p76 | | | | | | | | | |
| 18000pF | | | | p75 | p75 | | | | | | | | | | p75 | p76 | p76 | p76 | | | | | | | | | |
| 22000pF | | | | p75 | p75 | | | | | | | | | | p75 | p76 | p76 | p76 | | | | | | | | | |
| 27000pF | | | | | | | | | | | | | | | p75 | p76 | p76 | p76 | | | | | | | | | |
| 33000pF | p75 | p75 | p75 | | | | | | | | | | | | p75 | p76 | p76 | p76 | | | | | | | | | |
| 39000pF | | | | | | p75 | p75 | p75 | | | | | | | p75 | p76 | p76 | p76 | | | | | | | | | |
| 47000pF | | | | | | p75 | p75 | p75 | | | | | | | | | | | | | | | | | | | |
| 56000pF | | | | | | | | | | | | | | | | | | | p76 | p76 | p76 | | | | | | |
| 68000pF | | | | | | | | | p75 | p75 | p75 | | | | | | | | | | | | | | | | |
| 82000pF | | | | | | | | | p75 | p75 | p75 | | | | | | | | | | | | | | | | |
| 0.10μF | | | | | | | | | p75 | p75 | p75 | | | | | | | | | | | | | | | | |
| 0.12μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Continued on the following page.↗

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## (→ GRM Series Temperature Compensating Type)

p00 ← Part Number List JIS: CK CJ CH SL UJ EIA: C0G U2J

| L×W (mm) | 3.2×1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 1.0 | | | | 1.25 | | | | | | | | | | | | | | | 1.8 | | | | | | | |
| Rated Voltage (Vdc) | 500 | 250 | | 200 | 1000 | | 630 | | 500 | | 250 | | 200 | 100 | | 50 | | | | 1000 | | 630 | | 500 | | 250 | |
| Cap. / TC Code | U2J | C0G | U2J | U2J | C0G | U2J | C0G | U2J | C0G | U2J | C0G | U2J | U2J | C0G | UH | C0G | CH | SL | U2J | UJ | C0G | U2J | C0G | U2J | U2J | C0G | U2J |
| 0.10pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.20pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.50pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 43pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 51pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 91pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 120pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 180pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 270pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330pF | p77 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 390pF | p77 | p77 | | | | p77 | | | | | | | | | | | | | | | | | | | | | |
| 470pF | p77 | p77 | | | | p77 | | | | | | | | | | | | | | | | | | | | | |
| 560pF | p77 | p77 | | | p77 | p77 | | | | | | | | | | | | | | | | | | | | | |
| 680pF | p77 | p77 | | | p77 | p77 | p78 | | p78 | | | | | | | | | | | | | | | | | | |
| 820pF | p77 | p77 | | | | | p78 | | p78 | | | | | | | | | | | | p78 | p78 | | | | | |
| 910pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000pF | p77 | p77 | | | | | p78 | | p78 | | | | | | | | | | | | p78 | p78 | | | | | |
| 1200pF | p77 | p77 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1500pF | p77 | p77 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1800pF | p77 | p77 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2200pF | p77 | p77 | | | | | p78 | | | | | | | | | | | | | | | | | | | | |
| 2700pF | | p77 | p77 | p77 | | | p78 | p78 | | p78 | | | | | | | | | | | | | | | | | |
| 3300pF | | p77 | p77 | p77 | | | | p78 | | p78 | | | | | | | | | | | | | p78 | | | | |
| 3900pF | | p77 | p77 | p77 | | | | | | | | | | | | | | | | | | | | p78 | p78 | | |
| 4700pF | | p77 | p77 | p77 | | | | | | | | | | | | | | | | | | | | p78 | p78 | | |
| 5600pF | | p77 | p77 | p77 | | | | | | | | | | | | | | | | | | | | | | | |
| 6800pF | | p77 | | | | | | | | | | p78 | p78 | | | | | | | | | | | | | | |
| 8200pF | | | | | | | | | | | p78 | p78 | p78 | | | | | | | | | | | | | | |
| 10000pF | | | | | | | | | | | p78 | p78 | p78 | | | | | | | | | | | | | | |
| 12000pF | | | | | | | | | | | p78 | p78 | | | | | | | | | | | | | | | |
| 15000pF | | | | | | | | | | | | | | | | | | | | | | | | | | p78 | p78 |
| 18000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | p78 |
| 22000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | p78 |
| 27000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47000pF | | | | | | | | | | | | | | p78 | p78 | p78 | p78 | | | | | | | | | | |
| 56000pF | | | | | | | | | | | | | | p78 | p78 | p78 | p78 | | | | | | | | | | |
| 68000pF | | | | | | | | | | | | | | | | | | p78 | p78 | p78 | | | | | | | |
| 82000pF | | | | | | | | | | | | | | | | | | p78 | p78 | p78 | | | | | | | |
| 0.10μF | | | | | | | | | | | | | | | | | | p78 | p78 | p78 | | | | | | | |
| 0.12μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Continued on the following page.↗

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## (→ GRM Series Temperature Compensating Type)

p00 ← Part Number List JIS: CK CJ CH SL UJ EIA: C0G U2J

| L×W (mm) | 3.2×1.6 | | | | | | | | 3.2×2.5 | | | | | | | | | | | | | | | 4.5×2.0 | 4.5×3.2 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 1.8 | | | | | | | | 1.0 | | | 1.25 | | | | 1.5 | | | | 2.0 | | | | 1.0 | 1.5 | | |
| Rated Voltage (Vdc) | 100 | | 50 | | 25 | | 16 | | 2000 | 630 | 500 | 2000 | 1000 | 630 | 500 | 1000 | 630 | 500 | 250 | 1000 | 630 | 500 | 250 | 3150 | 1000 | 630 | 500 |
| Cap. / TC Code | C0G | CH | C0G | CH | C0G | CH | C0G | CH | U2J | U2J | U2J | U2J | U2J | U2J | U2J | U2J | U2J | U2J | U2J | U2J | U2J | U2J | U2J | U2J | U2J | U2J | U2J |
| 0.10pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.20pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.50pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9.0pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10pF | | | | | | | | | | | | | | | | | | | | | | | | p79 | | | |
| 11pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12pF | | | | | | | | | | | | | | | | | | | | | | | | p79 | | | |
| 13pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15pF | | | | | | | | | | | | | | | | | | | | | | | | p79 | | | |
| 16pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 17pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18pF | | | | | | | | | | | | | | | | | | | | | | | | p79 | | | |
| 19pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22pF | | | | | | | | | | | | | | | | | | | | | | | | p79 | | | |
| 23pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27pF | | | | | | | | | | | | | | | | | | | | | | | | p79 | | | |
| 30pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33pF | | | | | | | | | | | | | | | | | | | | | | | | p79 | | | |
| 36pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 39pF | | | | | | | | | | | | | | | | | | | | | | | | p79 | | | |
| 43pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47pF | | | | | | | | | | | | | | | | | | | | | | | | p79 | | | |
| 51pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56pF | | | | | | | | | | | | | | | | | | | | | | | | p79 | | | |
| 62pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68pF | | | | | | | | | | | | | | | | | | | | | | | | p79 | | | |
| 75pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82pF | | | | | | | | | p78 | | | | | | | | | | | | | | | p79 | | | |
| 91pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100pF | | | | | | | | | p78 | | | | | | | | | | | | | | | p79 | | | |
| 120pF | | | | | | | | | p78 | | | | | | | | | | | | | | | | | | |
| 150pF | | | | | | | | | p78 | | | | | | | | | | | | | | | | | | |
| 180pF | | | | | | | | | | | | p78 | | | | | | | | | | | | | | | |
| 220pF | | | | | | | | | | | | p78 | | | | | | | | | | | | | | | |
| 270pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 390pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 470pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 560pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 680pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 820pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 910pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1200pF | | | | | | | | | | p78 | p78 | | p78 | | | | | | | | | | | | | | |
| 1500pF | | | | | | | | | | p78 | p78 | | | | | p78 | | | | | | | | | | | |
| 1800pF | | | | | | | | | | p78 | p78 | | | | | | | | | p78 | | | | | | | |
| 2200pF | | | | | | | | | | p78 | p78 | | | | | | | | | p78 | | | | | | | |
| 2700pF | | | | | | | | | | | | | | | | | | | | | | | | | p79 | | |
| 3300pF | | | | | | | | | | | | | | | | | | | | | | | | | p79 | | |
| 3900pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4700pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5600pF | | | | | | | | | | | | | | p78 | p78 | | | | | | | | | | | | |
| 6800pF | | | | | | | | | | | | | | | | | p78 | p78 | | | | | | | | | |
| 8200pF | | | | | | | | | | | | | | | | | | | | | p78 | p78 | | | | | |
| 10000pF | | | | | | | | | | | | | | | | | | | | | p78 | p78 | | | | | |
| 12000pF | | | | | | | | | | | | | | | | | | | | | | | | | | p79 | p79 |
| 15000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 27000pF | | | | | | | | | | | | | | | | | | | p78 | | | | | | | | |
| 33000pF | | | | | | | | | | | | | | | | | | | | | | | p78 | | | | |
| 39000pF | | | | | | | | | | | | | | | | | | | | | | | p78 | | | | |
| 47000pF | | | | | | | | | | | | | | | | | | | | | | | p78 | | | | |
| 56000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68000pF | p78 | p78 | p78 | p78 | | | | | | | | | | | | | | | | | | | | | | | |
| 82000pF | p78 | p78 | p78 | p78 | | | | | | | | | | | | | | | | | | | | | | | |
| 0.10μF | p78 | p78 | p78 | p78 | | | | | | | | | | | | | | | | | | | | | | | |
| 0.12μF | | | | | p78 | p78 | p78 | p78 | | | | | | | | | | | | | | | | | | | |

Continued on the following page.↗

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## (→ GRM Series Temperature Compensating Type)

p00 ← Part Number List JIS: CK CJ CH SL UJ EIA: C0G U2J

| L×W (mm) | 4.5×3.2 | | | 5.7×5.0 | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 2.0 | | | 1.5 | | | 2.0 | | |
| Rated Voltage (Vdc) | 1000 | 630 | 500 | 1000 | 630 | 500 | 1000 | 630 | 500 |
| Cap. / TC Code | U2J | U2J | U2J | U2J | U2J | U2J | U2J | U2J | U2J |
| 0.10pF | | | | | | | | | |
| 0.20pF | | | | | | | | | |
| 0.50pF | | | | | | | | | |
| 1.0pF | | | | | | | | | |
| 2.0pF | | | | | | | | | |
| 3.0pF | | | | | | | | | |
| 4.0pF | | | | | | | | | |
| 5.0pF | | | | | | | | | |
| 6.0pF | | | | | | | | | |
| 7.0pF | | | | | | | | | |
| 8.0pF | | | | | | | | | |
| 9.0pF | | | | | | | | | |
| 10pF | | | | | | | | | |
| 11pF | | | | | | | | | |
| 12pF | | | | | | | | | |
| 13pF | | | | | | | | | |
| 15pF | | | | | | | | | |
| 16pF | | | | | | | | | |
| 17pF | | | | | | | | | |
| 18pF | | | | | | | | | |
| 19pF | | | | | | | | | |
| 20pF | | | | | | | | | |
| 21pF | | | | | | | | | |
| 22pF | | | | | | | | | |
| 23pF | | | | | | | | | |
| 24pF | | | | | | | | | |
| 27pF | | | | | | | | | |
| 30pF | | | | | | | | | |
| 33pF | | | | | | | | | |
| 36pF | | | | | | | | | |
| 39pF | | | | | | | | | |
| 43pF | | | | | | | | | |
| 47pF | | | | | | | | | |
| 51pF | | | | | | | | | |
| 56pF | | | | | | | | | |
| 62pF | | | | | | | | | |
| 68pF | | | | | | | | | |
| 75pF | | | | | | | | | |
| 82pF | | | | | | | | | |
| 91pF | | | | | | | | | |
| 100pF | | | | | | | | | |
| 120pF | | | | | | | | | |
| 150pF | | | | | | | | | |
| 180pF | | | | | | | | | |
| 220pF | | | | | | | | | |
| 270pF | | | | | | | | | |
| 330pF | | | | | | | | | |
| 390pF | | | | | | | | | |
| 470pF | | | | | | | | | |
| 560pF | | | | | | | | | |
| 680pF | | | | | | | | | |
| 820pF | | | | | | | | | |
| 910pF | | | | | | | | | |
| 1000pF | | | | | | | | | |
| 1200pF | | | | | | | | | |
| 1500pF | | | | | | | | | |
| 1800pF | | | | | | | | | |
| 2200pF | | | | | | | | | |
| 2700pF | | | | | | | | | |
| 3300pF | | | | | | | | | |
| 3900pF | p79 | | | | | | | | |
| 4700pF | p79 | | | | | | | | |
| 5600pF | | | | p79 | | | | | |
| 6800pF | | | | p79 | | | | | |
| 8200pF | | | | | | | p79 | | |
| 10000pF | | | | | | | p79 | | |
| 12000pF | | | | | | | | | |
| 15000pF | | p79 | p79 | | | | | | |
| 18000pF | | p79 | p79 | | | | | | |
| 22000pF | | p79 | p79 | | | | | | |
| 27000pF | | | | | p79 | p79 | | | |
| 33000pF | | | | | | | | p79 | p79 |
| 39000pF | | | | | | | | p79 | p79 |
| 47000pF | | | | | | | | p79 | p79 |
| 56000pF | | | | | | | | | |
| 68000pF | | | | | | | | | |
| 82000pF | | | | | | | | | |
| 0.10μF | | | | | | | | | |
| 0.12μF | | | | | | | | | |

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## GRM Series High Dielectric Constant Type

p00 ← Part Number List JIS: R B EIA: X7R X7S X7T X7U X6S X6T X5R

| L×W (mm) | 0.4×0.2 | | | | | | | 0.6×0.3 | | | | | | | | | | | | | | | 1.0×0.5 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.22 | | | | | | | 0.33 | | | | | | | | | | | | | | | 0.22 | | | | |
| Rated Voltage (Vdc) | 16 | 10 | | 6.3 | | 4 | 2.5 | 50 | | 35 | 25 | | | 16 | | | 10 | | 6.3 | | | 4 | 10 | 6.3 | | | 4 |
| Cap. / TC Code | X7R | X7R | X5R, B | X5R, B | X6T | X5R | X6T | X7R | B | X5R | X7R, R | X6S | X5R, B | X7Δ, R | X6S | X5R, B | X7Δ, R | X5R, B | X7R, R | X6S | X5R, B | X6S | X5R, B | X6S | X5R, B | X7T | X6Δ |
| 100pF | p80 | p80 | p80 p80 | | | | | p81 | p81 | | p81 | | | | | | | | | | | | | | | | |
| 150pF | p80 | p80 | p80 p80 | | | | | p81 | p81 | | p81 | | | | | | | | | | | | | | | | |
| 220pF | p80 | p80 | p80 p80 | | | | | p81 | p81 | | p81 | | | | | | | | | | | | | | | | |
| 330pF | p80 | p80 | p80 p80 | | | | | p81 | p81 | | p81 | | | | | | | | | | | | | | | | |
| 470pF | p80 | p80 | p80 p80 | | | | | p81 | p81 | | p81 | | | | | | | | | | | | | | | | |
| 680pF | | p80 | p80 p80 | | | | | p81 | p81 | | p81 | | | | | | | | | | | | | | | | |
| 820pF | | p80 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000pF | p80 | p80 | p80 p80 | p80 p80 | | | | p81 | p81 | | p81 p81 | | p81 | | | | | | | | | | | | | | |
| 1500pF | | | p80 p80 | p80 p80 | | | | p81 | p81 | | p81 p81 | | p81 | | | | | | | | | | | | | | |
| 2200pF | | | p80 p80 | p80 p80 | | | | | | | p81 | | p81 | p81 p81 | | p82 | | | | | | | | | | | |
| 3300pF | | | p80 p80 | p80 p80 | | | | | | | p81 | | p81 | p81 p81 | | p82 | | | | | | | | | | | |
| 4700pF | | | p80 p80 | p80 p80 | | | | | | | p81 | | p81 | p81 | | | p82 | p82 | p82 p82 | p82 p82 | | p82 | | | | | |
| 6800pF | | | p80 p80 | p80 p80 | | | | | | | p81 | | p81 | p81 | | | p82 | p82 | p82 p82 | p82 p82 | | p82 | | | | | |
| 10000pF | | | p80 p80 | p80 p80 | | | | | | | p81 | | p81 p81 | p81 | | p81 p82 | p82 | p82 | | p82 p82 | | | | | | | |
| 15000pF | | | | p80 | | p80 | | | | | | | | | | p81 p82 | | | p82 p82 | | p82 | p82 | | | | | |
| 22000pF | | | | p80 | | p80 | | | | | | | | | | p81 p82 | | | p82 p82 | | p82 | p82 | | | | | |
| 33000pF | | | | p80 | | p81 | | | | | | | | | | p81 p82 | | | p82 p82 | | p82 | p82 | | | | | |
| 47000pF | | | | p80 | | p81 | | | | | | | | | | p82 p82 | | | p82 p82 | | p82 | | | | | | |
| 68000pF | | | | p80 | | p81 | | | | | | | | | | p82 p82 | | | p82 p82 | | p82 | | | | | | |
| 0.10μF | | | | p80 | p80 | p81 | p81 | | | p81 | | p81 | p81 | p81 | p81 | p82 p82 | p82 | | p82 p82 | | p82 | | p82 | p83 | p83 | p83 p83 | p83 | p83 |
| 0.15μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.22μF | | | | | | | | | | | | | | | | | | | p82 | | p82 | p82 | p82 | p82 | p83 | p83 | p83 p83 | p83 | p83 |
| 0.33μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.47μF | | | | | | | | | | | | | | | | | | | | | | | | | p83 | p83 p83 | | | p83 |
| 0.68μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0μF | | | | | | | | | | | | | | | | | | | | | | | | | p83 | | | | p83 |
| 2.2μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.7μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Continued on the following page.↗

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## (→ GRM Series High Dielectric Constant Type)

p00 ← Part Number List  JIS: R B  EIA: X7R X7S X7T X7U X6S X6T X5R

| L×W (mm) | 1.0×0.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.22 | | 0.3 | | | | | | | 0.33 | | | | 0.55 | | | | | | | | | | | | | | |
| Rated Voltage (Vdc) | | 2.5 | 50 | | 25 | | 16 | | 10 | 10 | 6.3 | | 4 | 100 | 50 | | | 35 | | 25 | | | 16 | | | 10 | |
| Cap. / TC Code | X5R | X7T | X7R, R | B | X7R | B | X7R | B | X5R | X5R, B | X6T | X5R, B | X6T | X7R | X7R, R | X6S | X5R, B | X6S | X5R | X7R, R | X6S | X5R, B | X7R, R | X6S | X5R, B | X7R | X6S |
| 100pF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150pF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220pF | | | p83 p83 | p83 | | | | | | | | | | p83 | p83 p84 | | p84 | | | | | | | | | | | |
| 330pF | | | p83 p83 | p83 | | | | | | | | | | p83 | p83 p84 | | p84 | | | | | | | | | | | |
| 470pF | | | p83 p83 | p83 | | | | | | | | | | p83 | p83 p84 | | p84 | | | | | | | | | | | |
| 680pF | | | p83 p83 | p83 | | | | | | | | | | p83 | p83 p84 | | p84 | | | | | | | | | | | |
| 820pF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000pF | | | p83 p83 | p83 | | | | | | | | | | p83 | p83 p84 | | p84 | | | | | | | | | | | |
| 1500pF | | | p83 p83 | p83 | | | | | | | | | | p83 | p83 p84 | | p84 | | | | | | | | | | | |
| 2200pF | | | | | p83 | p83 | | | | | | | | p83 | p83 p84 | | p84 | | | p84 | | p84 | | | | | | |
| 3300pF | | | | | | | p83 | p83 | | | | | | p83 | p83 p84 | | p84 | | | | | | | | | | | |
| 4700pF | | | | | | | p83 | p83 | | | | | | p83 | p84 p84 | | p84 | | | | | | p85 | | | | | |
| 6800pF | | | | | | | p83 | p83 | | | | | | | p84 p84 | | p84 | | | p84 | | | | | | | | |
| 10000pF | | | | | | | p83 | p83 | | | | | | | p84 p84 | | p84 | | | p84 p84 | | p84 | p85 | | p85 | | | |
| 15000pF | | | | | | | | | p83 | | | | | | p84 | | p84 | | | p84 p84 | | p84 | | | | | | |
| 22000pF | | | | | | | | | p83 | | | | | | p84 | | p84 | | | p84 p84 | | p84 | | | | | | |
| 33000pF | | | | | | | | | p83 | | | | | | p84 | p84 | p84 | | | p84 p84 | | p84 | | | | | | |
| 47000pF | | | | | | | | | | | | | | | p84 | p84 | p84 | | | p84 p84 | | p85 | | | | | | |
| 68000pF | | | | | | | | | | | | | | | p84 | p84 | p84 | | | p84 | | p84 p85 | p85 p85 | | | | | |
| 0.10μF | | p83 | | | | | | | | | | | | | p84 | | p84 p84 | | | p84 | | p84 p85 | | | | | | |
| 0.15μF | | | | | | | | | | | | | | | | | | | | | | | p85 | | | | | |
| 0.22μF | | p83 | | | | | | | | | | | | | | | | p84 | p84 | | p84 | p84 | p85 | | p85 | p85 | | |
| 0.33μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.47μF | | | | | | | | | | | | | | | | | | | p84 | | | p84 | | p85 | p85 | p85 | | |
| 0.68μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0μF | p83 | | | | | | | | | p83 p83 | p83 | p83 p83 | p83 | | | | | | | | | p84 p85 | | | p85 p85 | | p85 | |
| 2.2μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.7μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220μF | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Continued on the following page.↗

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## (→ GRM Series High Dielectric Constant Type)

p00 ← Part Number List JIS: R B EIA: X7R X7S X7T X7U X6S X6T X5R

| L×W (mm) | 1.0×0.5 | | | | | | | | | | | | | | | | | | | | | | | | 1.6×0.8 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.55 | | | | | | | 0.6 | | | | | | 0.65 | | 0.7 | | | | | | | | 0.5 | | | | |
| Rated Voltage (Vdc) | 10 | 6.3 | | | 4 | | | 35 | 25 | 16 | 6.3 | 4 | 2.5 | 10 | 6.3 | 25 | 16 | | 10 | | 6.3 | 4 | 2.5 | 25 | 16 | 6.3 | 4 |
| Cap. / TC Code | X5R, B | X7R | X6S | X5R, B | X7R | X6S | X5R | X5R | X6S | X6S | X5R, B | X5R, B | X6T | X5R | X6S | X5R | X6S | X5R | X7S | X6S | X7S | X5R | X5R | X5R, B | X5R, B | X5R | X5R |
| 100pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 470pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 680pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 820pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1500pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2200pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3300pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4700pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6800pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33000pF | p85 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.10μF | p85 | | | p85 | | | | | | | | | | | | | | | | | | | | | | | |
| 0.15μF | p85 p85 | | | p85 p85 | | | | | | | | | | | | | | | | | | | | | | | |
| 0.22μF | p85 p85 | | p85 | p85 p85 | | p85 | | | | | | | | | | | | | | | | | | | | | |
| 0.33μF | p85 p85 | | | p85 p85 | | | | | | | | | | | | | | | | | | | | | | | |
| 0.47μF | p85 p85 | | | p85 p85 | | | | | | | | | | | | | | | | | | | | | | | |
| 0.68μF | p85 p85 | | | p85 p85 | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0μF | p85 p85 | p85 | | p85 p85 | p85 | | p85 | p85 | p85 | p85 | | | | | | | | | | | | | | p86 p86 | p86 p86 | | |
| 2.2μF | p85 | | p85 | p85 | | | | | | | | | | | | p86 | p86 | p86 | p86 | p86 | p86 | | | | | | |
| 4.7μF | | | | | | | | | | | p85 p85 | p85 p85 | p86 | p86 | p86 | | | | | | | | | | | | |
| 10μF | | | | | | | | | | | | | | | | | | | | | | p86 | p86 | | | p86 | p86 |
| 22μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Continued on the following page.↗

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## (→ GRM Series High Dielectric Constant Type)

p00 ← Part Number List JIS: R B EIA: X7R X7S X7T X7U X6S X6T X5R

| L×W (mm) | 1.6×0.8 | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.55 | | | | | 0.9 | | | | | | | | | | | | | 0.95 | | | | | 1.0 | | |
| Rated Voltage (Vdc) | 16 | 10 | | 6.3 | | 250 | 200 | 50 | 35 | 25 | | 16 | | | 10 | | 6.3 | | 4 | 25 | 16 | | 10 | | 50 | 35 | |
| Cap. / TC Code | X5R | X6S | X5R | X7T | X6S | X7R | X7R | X5R, B | X7R | X7R | X5R, B | X7R | X6S | X5R, B | X7R | X5R | X6S | X5R, B | X5R | X5R | X6S | X5R, B | X7S | X5R, B | X5R | X6S | X5R |
| 100pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220pF | | | | | | p86 | p86 | | | | | | | | | | | | | | | | | | | | |
| 330pF | | | | | | p86 | p86 | | | | | | | | | | | | | | | | | | | | |
| 470pF | | | | | | p86 | p86 | | | | | | | | | | | | | | | | | | | | |
| 680pF | | | | | | p86 | p86 | | | | | | | | | | | | | | | | | | | | |
| 820pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000pF | | | | | | p86 | p86 | | | | | | | | | | | | | | | | | | | | |
| 1500pF | | | | | | p86 | p86 | | | | | | | | | | | | | | | | | | | | |
| 2200pF | | | | | | p86 | p86 | | | | | | | | | | | | | | | | | | | | |
| 3300pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4700pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6800pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.10μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.15μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.22μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.33μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.47μF | | | | | | | | | p86 | | | | | | | | | | | | | | | | | | |
| 0.68μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0μF | | | | | | | | p86 p86 | | p86 | p86 p86 | p86 | | p86 p86 | | | | | | | | | | | | | |
| 2.2μF | | | | | | | | | | | p86 p86 | | p86 | p86 p86 | p86 | | | | | | | | | | p86 | p86 | |
| 4.7μF | p86 | p86 | p86 | p86 | p86 | | | | | | | | | | | p86 | p86 | | | p86 | p86 | p86 p86 | p86 | | | | p86 |
| 10μF | | | | | | | | | | | | | | | | | | p86 p86 | p86 | | | p86 | | p86 p86 | | | |
| 22μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Continued on the following page.↗

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## (→ GRM Series High Dielectric Constant Type)

p00 ← Part Number List JIS: R B EIA: X7R X7S X7T X7U X6S X6T X5R

| L×W (mm) | 1.6×0.8 | | | | | | | | | | 2.0×1.25 | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 1.0 | | | | | | | | | | 0.7 | 0.95 | | | | | | | | | | | | | | | 1.0 |
| Rated Voltage (Vdc) | 25 | | | 16 | | 10 | 6.3 | | 4 | | 16 | 50 | 35 | | 25 | | | 16 | | 10 | | 6.3 | | 4 | | 2.5 | 500 |
| Cap. / TC Code | X7S | X6S | X5R | X7S | X6S | X7T | X7T | X5R, B | X6S | X5R, B | X6S | X5R, B | X6S | X5R | X7R | X6S | X5R, B | X7R | X5R, B | X7Δ | X5R, B | X6S | X5R, B | X6S | X5R | X6T | X7R |
| 100pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 470pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 680pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 820pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | p87 |
| 1500pF | | | | | | | | | | | | | | | | | | | | | | | | | | | p87 |
| 2200pF | | | | | | | | | | | | | | | | | | | | | | | | | | | p87 |
| 3300pF | | | | | | | | | | | | | | | | | | | | | | | | | | | p87 |
| 4700pF | | | | | | | | | | | | | | | | | | | | | | | | | | | p87 |
| 6800pF | | | | | | | | | | | | | | | | | | | | | | | | | | | p87 |
| 10000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.10μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.15μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.22μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.33μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.47μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.68μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0μF | | | | | | | | | | | p87 | p87 p87 | | | p87 | | | | | | | | | | | | |
| 2.2μF | p87 | p87 | | p87 | | | | | | | | p87 p87 | p87 | | | p87 | p87 p87 | p87 | | p87 | | | | | | | |
| 4.7μF | | p87 | | | | | | | | | | | | p87 | | | p87 | | p87 p87 | p87 | | | | | | | |
| 10μF | | | p87 | | p87 | p87 | p87 | | | | | | | | | | p87 p87 | | p87 p87 | | | p87 | | p87 | | | |
| 22μF | | | | | | | | p87 p87 | p87 | p87 p87 | | | | | | | | | | | p87 p87 | | p87 p87 | | | | |
| 47μF | | | | | | | | | | | | | | | | | | | | | | | | | p87 | p87 | |
| 100μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## (→ GRM Series High Dielectric Constant Type)

p00 ← Part Number List JIS: R B EIA: X7R X7S X7T X7U X6S X6T X5R

| L×W (mm) | 2.0×1.25 | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 1.0 | | | | | | | 1.35 | | | | | 1.4 | | | | | | | | | | 1.45 | | | |
| Rated Voltage (Vdc) | 250 | 200 | 35 | 25 | | 16 | | 50 | 25 | | 16 | | 50 | 25 | | 16 | | 10 | | 6.3 | | 4 | 500 | 250 | 200 | 50 |
| Cap. / TC Code | X7R | X7R | X6S | X7S | X6S | X7S | X5R | X5R, B | X6S | X5R, B | X7R | X5R, B | X5R, B | X7R, R | X5R, B | X7R | X6S | X7R | B | X7R | X6S | X7U | X6S | X7R | X7R | X7R | X7S |
| 100pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 470pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 680pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 820pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000pF | p87 | p87 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1500pF | p87 | p87 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2200pF | p87 | p87 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3300pF | p87 | p87 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4700pF | p87 | p87 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6800pF | p87 | p87 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10000pF | | | | | | | | | | | | | | | | | | | | | | | p88 | p88 | p88 | | |
| 15000pF | | | | | | | | | | | | | | | | | | | | | | | | p88 | p88 | | |
| 22000pF | | | | | | | | | | | | | | | | | | | | | | | | p88 | p88 | | |
| 33000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.10μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.15μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.22μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.33μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.47μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.68μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0μF | | | | | | | | p87 | p87 | | | | | p88 | p88 | | | | | | | | | | | | |
| 2.2μF | | | | | | | | | | p87 | p88 | | p88 | p88 | p88 | | | | | | | | | | | | |
| 4.7μF | | | p87 | p87 | p87 | p87 | | | p87 | p87 | p87 | | p88 | p88 | p88 | | p88 | | p88 | | | | | | | | p88 |
| 10μF | | | | | | | | | | | | p88 | p88 | | | p88 | p88 | | p88 | p88 | | p88 | | | | | |
| 22μF | | | | | | | p87 | | | | | | | | | | | | | | p88 | | p88 | p88 | p88 | | |
| 47μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## (→ GRM Series High Dielectric Constant Type)

p00 ← Part Number List  JIS: R B  EIA: X7R X7S X7T X7U X6S X6T X5R

| L×W (mm) | 2.0×1.25 | | | | | | | | | | | | | | | | | | 3.2×1.6 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 1.45 | | | | | | | | | | | | | | | | | | 0.95 | | | | | 1.0 | 1.25 | | |
| Rated Voltage (Vdc) | 50 | 35 | | | 25 | | | 16 | | | 10 | | | 6.3 | | 4 | | 2.5 | 35 | 16 | 10 | 6.3 | | 630 | 1000 | 630 | 500 |
| Cap. / TC Code | X6S | X7S | X6S | X5R | X7S | X6S | X5R | X7S | X6S | X5R | X7T | X6S | X5R | X7T | X5R, B | X6S | X5R, B | X6S | X5R | X5R, B | X5R, B | X6S | X5R, B | X7R | X7R | X7R | X7R |
| 100pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 470pF | | | | | | | | | | | | | | | | | | | | | | | | | p88 | | |
| 680pF | | | | | | | | | | | | | | | | | | | | | | | | | p88 | | |
| 820pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000pF | | | | | | | | | | | | | | | | | | | | | | | | p88 | p88 | | |
| 1500pF | | | | | | | | | | | | | | | | | | | | | | | | p88 | p89 | | |
| 2200pF | | | | | | | | | | | | | | | | | | | | | | | | p88 | p89 | | |
| 3300pF | | | | | | | | | | | | | | | | | | | | | | | | p88 | p89 | | |
| 4700pF | | | | | | | | | | | | | | | | | | | | | | | | p88 | p89 | | |
| 6800pF | | | | | | | | | | | | | | | | | | | | | | | | p88 | | p89 | |
| 10000pF | | | | | | | | | | | | | | | | | | | | | | | | p88 | | | |
| 15000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | p89 |
| 22000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | p89 |
| 33000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.10μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.15μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.22μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.33μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.47μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.68μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.2μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.7μF | p88 | p88 | | | p88 | | | | | | | | | | | | | | | | | | | | | | |
| 10μF | | | p88 | p88 | p88 | p88 | | p88 | | | | | | | | | | | p88 | p88 p88 | | | | | | | |
| 22μF | | | | | | | p88 | | p88 | p88 | p88 | p88 | p88 | p88 | | | | | | p88 p88 | p88 p88 | p88 | p88 p88 | | | | |
| 47μF | | | | | | | | | | | | | p88 | | p88 p88 | p88 | p88 p88 | | | | | | | | | | |
| 100μF | | | | | | | | | | | | | | | p88 | p88 | | p88 | | | | | | | | | |
| 150μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## (→ GRM Series High Dielectric Constant Type)

p00 ← Part Number List JIS: R B EIA: X7R X7S X7T X7U X6S X6T X5R

| L×W (mm) | 3.2×1.6 | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 1.25 | | | | | 1.8 | | | | | | | | | | | | | | | | | | | | 1.9 | |
| Rated Voltage (Vdc) | 250 | 200 | 50 | | 25 | 1000 | 630 | 500 | 250 | 200 | 100 | 50 | | 25 | | 16 | | | 10 | | 6.3 | | | 4 | | 100 | 25 |
| Cap. / TC Code | X7R | X7R | X7R | B | X5R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X5R, B | X7R | X5R, B | X7R | X6S | X5R, B | X7R | X5R, B | X7Δ | X6S | X5R, B | X7U | X6S | X7R | X6S |
| 100pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 470pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 680pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 820pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1500pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2200pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3300pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4700pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6800pF | | | | | | p89 | | | | | | | | | | | | | | | | | | | | | |
| 10000pF | | | | | | p89 | | | | | | | | | | | | | | | | | | | | | |
| 15000pF | p89 | p89 | | | | | p89 | | | | | | | | | | | | | | | | | | | | |
| 22000pF | p89 | p89 | | | | | p89 | | | | | | | | | | | | | | | | | | | | |
| 33000pF | | | | | | | | p89 | p89 | p89 | | | | | | | | | | | | | | | | | |
| 47000pF | | | | | | | | p89 | p89 | p89 | | | | | | | | | | | | | | | | | |
| 68000pF | p89 | p89 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.10μF | | | | | | | | | p89 | p89 | | | | | | | | | | | | | | | | | |
| 0.15μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.22μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.33μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.47μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.68μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0μF | | | p89 | p89 | | | | | | | p89 | | | | | | | | | | | | | | | | |
| 2.2μF | | | | | | | | | | | | p89 | p89 | | | | | | | | | | | | | p89 | |
| 4.7μF | | | | | | | | | | | | p89 | p89 | p89 | | p89 | | | | | | | | | | | |
| 10μF | | | | | p89 | | | | | | | | p89 p89 | p89 | p89 | | | | | | | | | | | | |
| 22μF | | | | | | | | | | | | | | | p89 p89 | | p89 | p89 p89 | p89 | | p89 | | | | | | p89 |
| 47μF | | | | | | | | | | | | | | | | | | | | p89 p89 | p89 | p89 | p89 p89 | p89 | p89 | | |
| 100μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Continued on the following page.↗

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## (→ GRM Series High Dielectric Constant Type)

p00 ← Part Number List JIS: R B EIA: X7R X7S X7T X7U X6S X6T X5R

| L×W (mm) | 3.2×1.6 | | | | | | | | | | 3.2×2.5 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 1.9 | | | | | | | | | | 1.5 | | | | | 1.8 | 2.0 | | | | | 2.2 | | 2.7 | | |
| Rated Voltage (Vdc) | 16 | | 10 | 6.3 | | 4 | | | 2.5 | | 1000 | 630 | 500 | 250 | 200 | 100 | 1000 | 630 | 500 | 250 | 200 | 100 | 25 | 100 | 80 | 63 | 50 |
| Cap. / TC Code | X7S | X5R | X6S | X6T | X5R | X7U | X6Δ | X5R | X6S | X5R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7S | X7R | X7R | X7R | X7R | X7R |
| 100pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 470pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 680pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 820pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1500pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2200pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3300pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4700pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6800pF | | | | | | | | | | | p89 | | | | | | | | | | | | | | | | |
| 10000pF | | | | | | | | | | | p89 | | | | | | | | | | | | | | | | |
| 15000pF | | | | | | | | | | | | | | | | | p89 | | | | | | | | | | |
| 22000pF | | | | | | | | | | | | p89 | | | | | p89 | | | | | | | | | | |
| 33000pF | | | | | | | | | | | | | | | | | | p89 | | | | | | | | | |
| 47000pF | | | | | | | | | | | | | | | | | | p89 | | | | | | | | | |
| 68000pF | | | | | | | | | | | | | p89 | p89 | p89 | | | | | | | | | | | | |
| 0.10μF | | | | | | | | | | | | | | | | | | | p89 | p89 | p89 | | | | | | |
| 0.15μF | | | | | | | | | | | | | | p89 | p89 | | | | | | | | | | | | |
| 0.22μF | | | | | | | | | | | | | | | | | | | | p89 | p89 | | | | | | |
| 0.33μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.47μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0.68μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.0μF | | | | | | | | | | | | | | | | p89 | | | | | | | | | | | |
| 2.2μF | | | | | | | | | | | | | | | | | | | | | | | | p89 | | | |
| 4.7μF | | | | | | | | | | | | | | | | | | | | | | p89 | | | p89 | | p90 |
| 10μF | | | | | | | | | | | | | | | | | | | | | | | p89 | | | p90 | p90 |
| 22μF | p89 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 47μF | | p89 | p89 | | | | | | | | | | | | | | | | | | | | | | | | |
| 100μF | | | | p89 | p89 | p89 | p89 | p89 | | | | | | | | | | | | | | | | | | | |
| 150μF | | | | | p89 | | p89 | p89 | p89 | | | | | | | | | | | | | | | | | | |
| 220μF | | | | | | | | p89 | | p89 | | | | | | | | | | | | | | | | | |

Continued on the following page.↗

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## (→ GRM Series High Dielectric Constant Type)

p00 ← Part Number List JIS: R B EIA: X7R X7S X7T X7U X6S X6T X5R

| L×W (mm) | 3.2×2.5 | | | | | | | | | | | | | 4.5×3.2 | | | | | | | | | 5.7×5.0 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 2.7 | | | | | | | | | | | | | 1.5 | | | | 2.0 | | | | | 2.0 | | | | |
| Rated Voltage (Vdc) | 50 | 35 | | 25 | | 16 | | | 10 | | 6.3 | | 4 | 630 | 500 | 250 | 200 | 1000 | 630 | 500 | 250 | 200 | 1000 | 630 | 500 | 250 | 200 |
| Cap. / TC Code | X5R, B | X7R | X5R, B | X7R | X5R, B | X7R | X6S | X5R, B | X7R | X5R, B | X7Δ | X5R, B | X7U | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R |
| 100pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 150pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 330pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 470pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 680pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 820pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1500pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2200pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3300pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4700pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6800pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22000pF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 33000pF | | | | | | | | | | | | | | | | | | p90 | | | | | | | | | |
| 47000pF | | | | | | | | | | | | | | | | | | p90 | | | | | | | | | |
| 68000pF | | | | | | | | | | | | | | p90 | | | | | | | | | p90 | | | | |
| 0.10μF | | | | | | | | | | | | | | | | | | | p90 | | | | p90 | | | | |
| 0.15μF | | | | | | | | | | | | | | | p90 | p90 | p90 | | | | | | | p90 | | | |
| 0.22μF | | | | | | | | | | | | | | | | | | | | p90 | p90 | p90 | | p90 | | | |
| 0.33μF | | | | | | | | | | | | | | | | | | | | | p90 | p90 | | | p90 | p90 | p90 |
| 0.47μF | | | | | | | | | | | | | | | | | | | | | p90 | p90 | | | p90 | p90 | p90 |
| 0.68μF | | | | | | | | | | | | | | | | | | | | | | | | | | p90 | p90 |
| 1.0μF | | | | | | | | | | | | | | | | | | | | | | | | | | p90 | p90 |
| 2.2μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.7μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10μF | p90 p90 | p90 | p90 p90 | | | | | | | | | | | | | | | | | | | | | | | | |
| 22μF | | | | p90 | p90 p90 | p90 | | | | | | | | | | | | | | | | | | | | | |
| 47μF | | | | | | | p90 | p90 p90 | p90 | p90 p90 | p90 | | | | | | | | | | | | | | | | |
| 100μF | | | | | | | | | | p90 | p90 | p90 p90 | p90 | | | | | | | | | | | | | | |
| 150μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 220μF | | | | | | | | | | | | | | | | | | | | | | | | | | | |

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## GJM Series Temperature Compensating Type

p00 ← Part Number List JIS: CK CJ CH EIA: C0G

| L×W (mm) | 0.4×0.2 | | 0.6×0.3 | | | | | | 1.0×0.5 | |
|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.22 | | 0.33 | | | | | | 0.55 | |
| Rated Voltage (Vdc) | 25 | | 50 | | | | 25 | | 50 | |
| Cap. / TC Code | C0G | CΔ | C0G | CK | CJ | CH | C0G | CΔ | C0G | CΔ |
| 0.10pF | | | | | | | | | p105 | p109 |
| 0.20pF | p92 | p95 | p98 | p98 | | p98 | | | p105 | p109 |
| 1.0pF | p92 | p95 | | p98 | | | p99 | p102 | p105 | p109 |
| 2.0pF | p92 | p95 | | p98 | | | p99 | p102 | p105 | p109 |
| 3.0pF | p92 | p95 | | | p98 | | p99 | p102 | p106 | p109 |
| 4.0pF | p93 | p96 | | | | | p99 | p103 | p106 | p110 |
| 5.0pF | p93 | p96 | | | | | p100 | p103 | p106 | p110 |
| 6.0pF | p93 | p96 | | | | | p100 | p103 | p107 | p110 |
| 7.0pF | p94 | p97 | | | | | p100 | p104 | p107 | p111 |
| 8.0pF | p94 | p97 | | | | | p101 | p104 | p107 | p111 |
| 9.0pF | p94 | p98 | | | | | p101 | p104 | p108 | p111 |
| 10pF | p95 | p98 | | | | | p102 | p105 | p108 | p112 |
| 11pF | p95 | p98 | | | | | p102 | p105 | p108 | p112 |
| 12pF | p95 | p98 | | | | | p102 | p105 | p108 | p112 |
| 13pF | p95 | p98 | | | | | p102 | p105 | p108 | p112 |
| 15pF | p95 | p98 | | | | | p102 | p105 | p108 | p112 |
| 16pF | p95 | p98 | | | | | p102 | p105 | p108 | p112 |
| 18pF | p95 | p98 | | | | | p102 | p105 | p108 | p112 |
| 20pF | p95 | p98 | | | | | p102 | p105 | p108 | p112 |
| 22pF | p95 | p98 | | | | | p102 | p105 | p108 | p112 |
| 24pF | | | | | | | p102 | p105 | p108 | p112 |
| 27pF | | | | | | | p102 | p105 | p108 | p112 |
| 30pF | | | | | | | p102 | p105 | p108 | p112 |
| 33pF | | | | | | | p102 | p105 | p108 | p112 |
| 36pF | | | | | | | | | p108 | p112 |
| 39pF | | | | | | | | | p108 | p112 |
| 43pF | | | | | | | | | p108 | p112 |
| 47pF | | | | | | | | | p109 | p112 |

The indication for every 0.1 pF has been omitted for less than 10 pF. Refer to the Part Number List for details.

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## GMA Series High Dielectric Constant Type

p00 ← Part Number List JIS: R B EIA: X7R X5R

| L×W (mm) | 0.38×0.38 | | | 0.5×0.5 | | | | | | | | 0.8×0.8 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.35 | | | 0.4 | | | | | | | | 0.6 | | | | | | | |
| Rated Voltage (Vdc) | 10 | | | 100 | 25 | | 10 | | | 6.3 | | 100 | 25 | | 10 | | | 6.3 | |
| Cap. / TC Code | X7R | R | B | X7R | X7R | B | X7R | R | B | X5R | B | X7R | X7R | B | X7R | R | B | X5R | B |
| 100pF | | | | p115 | | | | | | | | | | | | | | | |
| 150pF | | | | p115 | | | | | | | | | | | | | | | |
| 220pF | | | | p115 | | | | | | | | | | | | | | | |
| 330pF | | | | p115 | | | | | | | | | | | | | | | |
| 470pF | | | | p115 | | | | | | | | | | | | | | | |
| 680pF | | | | p115 | | | | | | | | | | | | | | | |
| 1000pF | p115 | p115 | p115 | p115 | | | | | | | | | | | | | | | |
| 1500pF | p115 | p115 | p115 | | p115 | p115 | | | | | | p115 | | | | | | | |
| 1800pF | p115 | p115 | p115 | | | | | | | | | | | | | | | | |
| 2200pF | | | | | p115 | p115 | | | | | | p115 | | | | | | | |
| 3300pF | | | | | p115 | p115 | | | | | | p115 | | | | | | | |
| 4700pF | | | | | p115 | p115 | | | | | | p115 | | | | | | | |
| 6800pF | | | | | | | p115 | p115 | p115 | | | p115 | | | | | | | |
| 10000pF | p115 | p115 | | | | | p115 | p115 | p115 | | | | p115 | p115 | | | | | |
| 15000pF | | | | | | | p115 | p115 | p115 | | | | p115 | p115 | | | | | |
| 22000pF | | | | | | | p115 | p115 | p115 | | | | p115 | p115 | | | | | |
| 33000pF | | | | | | | | | | | | | | | p115 | p115 | p115 | | |
| 47000pF | | | | | | | | | | | | | | | p115 | p115 | p115 | | |
| 68000pF | | | | | | | | | | | | | | | p115 | p115 | p115 | | |
| 0.10μF | | | | | | | | | | p115 | p115 | | | | p115 | p115 | p115 | | |
| 0.47μF | | | | | | | | | | | | | | | | | | p115 | p115 |

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## GMD Series High Dielectric Constant Type

p00 ← Part Number List JIS: R B EIA: X7R X5R

| L×W (mm) | 0.6×0.3 | | | | | | | | | | | 1.0×0.5 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.33 | | | | | | | | | | | 0.55 | | | | | | | | | | |
| Rated Voltage (Vdc) | 25 | | | 16 | | | 10 | | | 6.3 | | 50 | | | 25 | | | 16 | | | 10 | |
| Cap. / TC Code | X7R | R | B | X7R | R | B | X7R | R | B | X5R | B | X7R | R | B | X7R | R | B | X7R | R | B | X5R | B |
| 100pF | p117 | p117 | p117 | | | | | | | | | | | | | | | | | | | |
| 120pF | p117 | p117 | p117 | | | | | | | | | | | | | | | | | | | |
| 150pF | p117 | p117 | p117 | | | | | | | | | | | | | | | | | | | |
| 180pF | p117 | p117 | p117 | | | | | | | | | | | | | | | | | | | |
| 220pF | p117 | p117 | p117 | | | | | | | | | p117 | p117 | p118 | | | | | | | | |
| 270pF | p117 | p117 | p117 | | | | | | | | | p117 | p118 | p118 | | | | | | | | |
| 330pF | p117 | p117 | p117 | | | | | | | | | p117 | p118 | p118 | | | | | | | | |
| 390pF | p117 | p117 | p117 | | | | | | | | | p117 | p118 | p118 | | | | | | | | |
| 470pF | p117 | p117 | p117 | | | | | | | | | p117 | p118 | p118 | | | | | | | | |
| 560pF | p117 | p117 | p117 | | | | | | | | | p117 | p118 | p118 | | | | | | | | |
| 680pF | p117 | p117 | p117 | | | | | | | | | p117 | p118 | p118 | | | | | | | | |
| 820pF | p117 | p117 | p117 | | | | | | | | | p117 | p118 | p118 | | | | | | | | |
| 1000pF | p117 | p117 | p117 | | | | | | | | | p117 | p118 | p118 | | | | | | | | |
| 1200pF | p117 | p117 | p117 | | | | | | | | | p117 | p118 | p118 | | | | | | | | |
| 1500pF | p117 | p117 | p117 | | | | | | | | | p117 | p118 | p118 | | | | | | | | |
| 1800pF | | | | p117 | p117 | p117 | | | | | | p117 | p118 | p118 | | | | | | | | |
| 2200pF | | | | p117 | p117 | p117 | | | | | | p117 | p118 | p118 | | | | | | | | |
| 2700pF | | | | p117 | p117 | p117 | | | | | | p117 | p118 | p118 | | | | | | | | |
| 3300pF | | | | p117 | p117 | p117 | | | | | | p117 | p118 | p118 | | | | | | | | |
| 3900pF | | | | | | | p117 | p117 | p117 | | | p117 | p118 | p118 | | | | | | | | |
| 4700pF | | | | | | | p117 | p117 | p117 | | | p117 | p118 | p118 | | | | | | | | |
| 5600pF | | | | | | | p117 | p117 | p117 | | | | | | p118 | p118 | p118 | | | | | |
| 6800pF | | | | | | | p117 | p117 | p117 | | | | | | p118 | p118 | p118 | | | | | |
| 8200pF | | | | | | | p117 | p117 | p117 | | | | | | p118 | p118 | p118 | | | | | |
| 10000pF | | | | | | | p117 | p117 | p117 | | | | | | p118 | p118 | p118 | | | | | |
| 12000pF | | | | | | | | | | | | | | | p118 | p118 | p118 | | | | | |
| 15000pF | | | | | | | | | | | | | | | p118 | p118 | p118 | | | | | |
| 18000pF | | | | | | | | | | | | | | | p118 | p118 | p118 | | | | | |
| 22000pF | | | | | | | | | | | | | | | p118 | p118 | p118 | | | | | |
| 27000pF | | | | | | | | | | | | | | | p118 | p118 | p118 | | | | | |
| 33000pF | | | | | | | | | | | | | | | p118 | p118 | p118 | | | | | |
| 39000pF | | | | | | | | | | | | | | | p118 | p118 | p118 | | | | | |
| 47000pF | | | | | | | | | | | | | | | p118 | p118 | p118 | | | | | |
| 56000pF | | | | | | | | | | p117 | p117 | | | | | | | p118 | p118 | p118 | | |
| 68000pF | | | | | | | | | | p117 | p117 | | | | | | | p118 | p118 | p118 | | |
| 82000pF | | | | | | | | | | p117 | p117 | | | | | | | p118 | p118 | p118 | | |
| 0.10μF | | | | | | | | | | p117 | p117 | | | | | | | p118 | p118 | p118 | | |
| 0.12μF | | | | | | | | | | | | | | | | | | | | | p118 | p118 |
| 0.15μF | | | | | | | | | | | | | | | | | | | | | p118 | p118 |
| 0.18μF | | | | | | | | | | | | | | | | | | | | | p118 | p118 |
| 0.22μF | | | | | | | | | | | | | | | | | | | | | p118 | p118 |
| 0.27μF | | | | | | | | | | | | | | | | | | | | | p118 | p118 |
| 0.33μF | | | | | | | | | | | | | | | | | | | | | p118 | p118 |
| 0.39μF | | | | | | | | | | | | | | | | | | | | | p118 | p118 |
| 0.47μF | | | | | | | | | | | | | | | | | | | | | p118 | p118 |

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## GQM Series Temperature Compensating Type

p00 ← Part Number List JIS: CK CJ CH EIA: C0G Murata Temperature Characteristic: X8G

| L×W (mm) | 1.0×0.5 | | 1.6×0.8 | | | | | 2.0×1.25 | | | | | | | 2.8×2.8 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.55 | | 0.8 | 0.9 | | | | 0.95 | | | | 1.0 | | | 1.35 |
| Rated Voltage (Vdc) | 200 | 100 | 250 | 100 | | 50 | | 100 | | 50 | | 500 | 250 | | 500 |
| Cap. / TC Code | C0G | C0G | C0G | C0G | CΔ | C0G | CH | C0G | CΔ | C0G | CH | X8G | C0G | X8G | C0G |
| 0.10pF | p120 | | | | | | | | | | | | | | |
| 1.0pF | p120 | | p121 | p121 | p122 | | | p124 | p124 | | | p126 | p126 | p127 | p128 |
| 2.0pF | p120 | | p121 | p122 | p122 | | | p124 | p124 | | | p126 | p126 | p127 | p128 |
| 3.0pF | p120 | | p121 | p122 | p122 | | | p124 | p124 | | | p126 | p127 | p128 | p128 |
| 4.0pF | p120 | | p121 | p122 | p122 | | | p124 | p125 | | | p126 | p127 | p128 | p128 |
| 5.0pF | p120 | | p121 | p122 | p122 | | | p124 | p125 | | | p126 | p127 | p128 | p128 |
| 6.0pF | p120 | | p121 | p122 | p122 | | | p124 | p125 | | | p126 | p127 | p128 | p128 |
| 7.0pF | p120 | | p121 | | | p122 | p123 | p124 | p125 | | | p126 | p127 | p128 | p129 |
| 8.0pF | p120 | | p121 | | | p122 | p123 | p124 | p125 | | | p126 | p127 | p128 | p129 |
| 9.0pF | p120 | | p121 | | | p122 | p123 | p124 | p125 | | | p126 | p127 | p128 | p129 |
| 10pF | p120 | | p121 | | | p122 | p123 | p124 | p125 | | | p126 | p127 | p128 | p129 |
| 11pF | p120 | | p121 | | | p122 | p123 | p124 | p125 | | | p126 | p127 | p128 | p129 |
| 12pF | p120 | | p121 | | | p123 | p123 | p124 | p125 | | | p126 | p127 | p128 | p129 |
| 13pF | p120 | | p121 | | | p123 | p123 | p124 | p125 | | | p126 | p127 | p128 | p129 |
| 15pF | p120 | | p121 | | | p123 | p123 | p124 | p125 | | | p126 | p127 | p128 | p129 |
| 16pF | p120 | | p121 | | | p123 | p123 | p124 | p125 | | | p126 | p127 | p128 | p129 |
| 18pF | p120 | | p121 | | | p123 | p123 | p124 | p125 | | | p126 | p127 | p128 | p129 |
| 20pF | p120 | | p121 | | | p123 | p123 | | | p125 | p125 | p126 | p127 | p128 | p129 |
| 22pF | p120 | | p121 | | | p123 | p123 | | | p125 | p125 | p126 | p127 | p128 | p129 |
| 24pF | p120 | | p121 | | | p123 | p123 | | | p125 | p125 | | p127 | | p129 |
| 27pF | p120 | | p121 | | | p123 | p123 | | | p125 | p125 | | p127 | | p129 |
| 30pF | p120 | | p121 | | | p123 | p123 | | | p125 | p125 | | p127 | | p129 |
| 33pF | p120 | | p121 | | | p123 | p123 | | | p125 | p125 | | p127 | | p129 |
| 36pF | | p120 | p121 | | | p123 | p123 | | | p125 | p125 | | p127 | | p129 |
| 39pF | | p121 | p121 | | | p123 | p123 | | | p125 | p125 | | p127 | | p129 |
| 43pF | | p121 | p121 | | | p123 | p123 | | | p125 | p125 | | p127 | | p129 |
| 47pF | | p121 | p121 | | | p123 | p123 | | | p125 | p125 | | p127 | | p129 |
| 51pF | | | | | | p123 | p123 | | | p125 | p125 | | p127 | | p129 |
| 56pF | | | | | | p123 | p123 | | | p125 | p125 | | p127 | | p129 |
| 62pF | | | | | | p123 | p123 | | | p125 | p125 | | p127 | | p129 |
| 68pF | | | | | | p123 | p123 | | | p125 | p126 | | p127 | | p129 |
| 75pF | | | | | | p123 | p123 | | | p125 | p126 | | p127 | | p129 |
| 82pF | | | | | | p123 | p123 | | | p125 | p126 | | p127 | | p129 |
| 91pF | | | | | | p123 | p123 | | | p125 | p126 | | p127 | | p129 |
| 100pF | | | | | | p123 | p123 | | | p125 | p126 | | p127 | | p129 |

The indication for every 0.1 pF has been omitted for less than 10 pF.
Refer to the Part Number List for details.

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## GRJ Series High Dielectric Constant Type

p00 ← Part Number List EIA: X7R X7S X5R

| L×W (mm) | 1.6×0.8 | | | | | | | 2.0×1.25 | | | | | | | | | | | 3.2×1.6 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.9 | | | | | | 1.0 | 0.7 | | 0.95 | 1.0 | 1.45 | | | | | | 1.5 | 0.95 | | 1.25 | |
| Rated Voltage (Vdc) | 100 | 50 | 35 | 25 | 16 | 6.3 | 6.3 | 100 | 50 | 100 | 250 | 250 | 100 | 50 | 25 | 16 | 10 | 100 | 100 | 50 | 1000 | 630 |
| Cap. / TC Code | X7R | X7R | X5R | X7R | X7R | X7R | X7S | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7S | X7R | X7R | X7R | X7R |
| 220pF | | | | | | | | | | p133 | | | | | | | | | | | | |
| 470pF | | | | | | | | | p133 | p133 | | | | | | | | | | | p134 | |
| 680pF | | | | | | | | | | | | | | | | | | | | | p134 | |
| 1000pF | p133 | p133 | | | | | | p133 | p133 | | p133 | | | | | | | | | | p134 | p134 |
| 1500pF | | | | | | | | | | | p133 | | | | | | | | | | p134 | p134 |
| 2200pF | p133 | p133 | | | | | | p133 | p133 | | p133 | | | | | | | | | | p134 | p134 |
| 3300pF | | | | | | | | | | | p133 | | | | | | | | | | p134 | p134 |
| 4700pF | p133 | p133 | | | | | | p133 | p133 | | p133 | | | | | | | | | | p134 | p134 |
| 6800pF | | | | | | | | | | | p133 | | | | | | | | | | | p134 |
| 10000pF | p133 | p133 | | | | | | p133 | p133 | | | p133 | | | | | | | | | | p134 |
| 15000pF | | | | | | | | | | | | p133 | | | | | | | | | | |
| 22000pF | p133 | p133 | | | | | | p133 | p133 | | | p133 | | | | | | | | | | |
| 33000pF | | | | | | | | | | | | | | | | | | | | | | |
| 47000pF | | p133 | | p133 | | | | | | | | | p133 | p133 | | | | | | | | |
| 68000pF | | | | | | | | | | | | | | | | | | | | | | |
| 0.10μF | p133 | p133 | | | | | | | | | | | p133 | p133 | | | | | p134 | p134 | | |
| 0.15μF | | | | | | | | | | | | | | | | | | | | | | |
| 0.22μF | | p133 | | p133 | | | | | | | | | | p133 | | | | | | | | |
| 0.33μF | | | | | | | | | | | | | | | | | | | | | | |
| 0.47μF | | | | | p133 | | | | | | | | | p133 | | | | | | | | |
| 0.68μF | | | | | | | | | | | | | | | | | | | | | | |
| 1.0μF | | | p133 | p133 | | | | | | | | | | p133 | p133 | | | p133 | | | | |
| 2.2μF | | | | | | p133 | | | | | | | | | p133 | | | | | | | |
| 4.7μF | | | | | | | p133 | | | | | | | | | p133 | | | | | | |
| 10μF | | | | | | | | | | | | | | | | | p133 | | | | | |
| 22μF | | | | | | | | | | | | | | | | | | | | | | |
| 47μF | | | | | | | | | | | | | | | | | | | | | | |

Continued on the following page.↗

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

| 3.2×1.6 | | | | | | | | | | | | | | 3.2×2.5 | | | | | | | | L×W (mm) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.25 | 1.35 | | | | 1.8 | | | 1.9 | | | | | | 1.5 | | | 2.0 | | | 2.3 | | T max. (mm) |
| 250 | 100 | 50 | 25 | 16 | 1000 | 630 | 250 | 100 | 50 | 25 | 16 | 10 | 6.3 | 1000 | 630 | 250 | 1000 | 630 | 250 | 100 | | Rated Voltage (Vdc) |
| X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7S | Cap. / TC Code |
| | | | | | | | | | | | | | | | | | | | | | | 220pF |
| | | | | | | | | | | | | | | | | | | | | | | 470pF |
| | | | | | | | | | | | | | | | | | | | | | | 680pF |
| | | | | | | | | | | | | | | | | | | | | | | 1000pF |
| | | | | | | | | | | | | | | | | | | | | | | 1500pF |
| | | | | | | | | | | | | | | | | | | | | | | 2200pF |
| | | | | | | | | | | | | | | | | | | | | | | 3300pF |
| | | | | | | | | | | | | | | | | | | | | | | 4700pF |
| | | | | | p134 | | | | | | | | | p134 | | | | | | | | 6800pF |
| | | | | | p134 | | | | | | | | | p134 | | | | | | | | 10000pF |
| p134 | | | | | | p134 | | | | | | | | | | | p134 | | | | | 15000pF |
| p134 | | | | | | p134 | | | | | | | | | p134 | | p134 | | | | | 22000pF |
| | | | | | | | p134 | | | | | | | | | | | p134 | | | | 33000pF |
| | | | | | | | p134 | | | | | | | | | | | p134 | | | | 47000pF |
| p134 | | | | | | | | | | | | | | | | p134 | | | | | | 68000pF |
| | | p134 | | | | | p134 | | | | | | | | | | | | p134 | | | 0.10μF |
| | | | | | | | | | | | | | | | | p134 | | | | | | 0.15μF |
| | p134 | p134 | | | | | | | | | | | | | | | | | p134 | | | 0.22μF |
| | | | | | | | | | | | | | | | | | | | | | | 0.33μF |
| | | p134 | | | | | | | | | | | | | | | | | | | | 0.47μF |
| | | | | | | | | | | | | | | | | | | | | | | 0.68μF |
| | | p134 | | | | | | p134 | p134 | | | | | | | | | | | | | 1.0μF |
| | | | p134 | p134 | | | | | p134 | | | | | | | | | | | p134 | | 2.2μF |
| | | | | | | | | | p134 | | p134 | | | | | | | | | | p134 | 4.7μF |
| | | | | | | | | | | p134 | p134 | p134 | | | | | | | | | | 10μF |
| | | | | | | | | | | | | p134 | p134 | | | | | | | | | 22μF |
| | | | | | | | | | | | | | | | | | | | | | | 47μF |

Continued to the following table.↙

| L×W (mm) | 3.2×2.5 | | | | | 4.5×3.2 | | | | | 5.7×5.0 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 2.8 | | | | | 1.5 | | 2.0 | | | 2.0 | | |
| Rated Voltage (Vdc) | 50 | | 25 | 16 | 10 | 6.3 | 630 | 250 | 1000 | 630 | 250 | 1000 | 630 | 250 |
| Cap. / TC Code | X7R | X7S | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R |
| 33000pF | | | | | | | | | p134 | | | | | |
| 47000pF | | | | | | | | | p135 | | | | | |
| 68000pF | | | | | | | p134 | | | | | p135 | | |
| 0.10μF | | | | | | | | | | p135 | | p135 | | |
| 0.15μF | | | | | | | | p134 | | | | | p135 | |
| 0.22μF | | | | | | | | | | | p135 | | p135 | |
| 0.33μF | | | | | | | | | | | p135 | | | p135 |
| 0.47μF | | | | | | | | | | | p135 | | | p135 |
| 0.68μF | | | | | | | | | | | | | | p135 |
| 1.0μF | | | | | | | | | | | | | | p135 |
| 2.2μF | | | | | | | | | | | | | | |
| 4.7μF | p134 | | | | | | | | | | | | | |
| 10μF | p134 | p134 | p134 | | | | | | | | | | | |
| 22μF | | | | p134 | p134 | | | | | | | | | |
| 47μF | | | | | p134 | p134 | | | | | | | | |

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## GR3 Series High Dielectric Constant Type

p00 ← Part Number List EIA: X7T

| L×W (mm) | 2.0×1.25 | | 3.2×1.6 | | | | | | | | 3.2×2.5 | | | | | 4.5×3.2 | | | | 5.7×5.0 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 1.0 | 1.45 | 1.0 | | 1.25 | | | 1.8 | | | 1.5 | | 2.0 | | | 1.5 | 2.0 | | | 2.0 | | | 2.7 | |
| Rated Voltage (Vdc) | 250 | 250 | 450 | 250 | 630 | 450 | 250 | 630 | 450 | 250 | 630 | 250 | 630 | 450 | 250 | 250 | 630 | 450 | 250 | 630 | 450 | 250 | 630 | 250 |
| Cap. / TC Code | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T |
| 10000pF | p131 | | p131 | | p131 | | | | | | | | | | | | | | | | | | | |
| 15000pF | p131 | | p131 | | | | | p131 | | | | | | | | | | | | | | | | |
| 22000pF | | p131 | | | | p131 | | | | | p131 | | | | | | | | | | | | | |
| 33000pF | | | | p131 | | p131 | | | | | | | p131 | | | | | | | | | | | |
| 47000pF | | | | | | | p131 | | p131 | | | | p131 | | | | | | | | | | | |
| 68000pF | | | | | | | | | | p131 | | | | p131 | | | p131 | | | | | | | |
| 0.10μF | | | | | | | | | | | | p131 | | p131 | | | | | | p131 | | | | |
| 0.15μF | | | | | | | | | | | | | | | p131 | | | p131 | | p131 | | | | |
| 0.22μF | | | | | | | | | | | | | | | | p131 | | | | | p131 | | p131 | |
| 0.33μF | | | | | | | | | | | | | | | | | | | p131 | | p131 | | | |
| 0.47μF | | | | | | | | | | | | | | | | | | | | | p131 | p131 | | |
| 0.68μF | | | | | | | | | | | | | | | | | | | | | | p131 | | |
| 1.0μF | | | | | | | | | | | | | | | | | | | | | | | | p131 |

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## LLA Series High Dielectric Constant Type

p00 ← Part Number List EIA: X7R X7S

| L×W (mm) | 1.6×0.8 | 2.0×1.25 | | | | | | | | | | 3.2×1.6 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.55 | 0.55 | | | | | 0.95 | | | | | 0.55 | | | 0.95 | | 1.25 | |
| Rated Voltage (Vdc) | 4 | 25 | 16 | 10 | 6.3 | 4 | 25 | 16 | 10 | 6.3 | 4 | 16 | 10 | 6.3 | 16 | 10 | 16 | 10 |
| Cap. / TC Code | X7S | X7R | X7R | X7R | X7R | X7S | X7R | X7R | X7R | X7R | X7S | X7R | X7R | X7R | X7R | X7R | X7R | X7R |
| 10000pF | | p137 | | | | | p137 | | | | | | | | | | | |
| 22000pF | | p137 | | | | | p137 | | | | | | | | | | | |
| 47000pF | | | p137 | | | | p137 | | | | | | | | | | | |
| 0.10μF | p137 | | p137 | | | | | p137 | | | | | | | | | | |
| 0.22μF | p137 | | | p137 | | | | p137 | | | | p137 | | | | | | |
| 0.47μF | p137 | | | | p137 | | | | p137 | | | | p137 | | p137 | | | |
| 1.0μF | | | | | | p137 | | | | p137 | | | | p137 | | p137 | p137 | |
| 2.2μF | p137 | | | | | | | | | | p137 | | | p137 | | | | p137 |
| 4.7μF | | | | | | p137 | | | | | | | | | | | | |

## LLL Series High Dielectric Constant Type

p00 ← Part Number List EIA: X7R X7S X6S X5R

| L×W (mm) | 0.5×1.0 | | | 0.6×1.0 | 0.8×1.6 | | | | | | | | | | 1.25×2.0 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.35 | | | 0.45 | 0.5 | | | | 0.55 | 0.6 | | | | | 0.5 | | | | | | 0.7 | |
| Rated Voltage (Vdc) | 6.3 | 4 | | 4 | 25 | 16 | 10 | 4 | 4 | 50 | 25 | 16 | 10 | 4 | 50 | 25 | 16 | 10 | 6.3 | 4 | 50 | 25 |
| Cap. / TC Code | X6S | X7S | X6S | X5R | X7R | X7R | X7R | X7S | X7S | X7R | X7R | X7R | X7R | X7S | X7R | X7R | X7R | X7R | X7R | X7S | X7R | X7R |
| 2200pF | | | | | | | | | | p139 | | | | | | | | | | | | |
| 4700pF | | | | | | | | | | p139 | | | | | | | | | | | | |
| 10000pF | | | | | p139 | | | | | | p139 | | | | p139 | | | | | | p139 | |
| 22000pF | | | | | | p139 | | | | | p139 | | | | | p139 | | | | | p139 | |
| 47000pF | | | | | | p139 | | | | | | p139 | | | | | p139 | | | | | p139 |
| 0.10μF | p139 | | | | | | p139 | | | | | | p139 | | | | p139 | | | | | p139 |
| 0.22μF | p139 | | | | | | | p139 | | | | | p139 | | | | | p139 | | | | |
| 0.47μF | | p139 | | | | | | | | | | | | p139 | | | | | p139 | | | |
| 1.0μF | | | p139 | | | | | | | | | | | | | | | | | p139 | | |
| 2.2μF | | | | | | | | | p139 | | | | | | | | | | | | | |
| 4.3μF | | | | p139 | | | | | | | | | | | | | | | | | | |
| 4.7μF | | | | | | | | | | | | | | | | | | | | | | |
| 10μF | | | | | | | | | | | | | | | | | | | | | | |

Continued to the following table.↙

| L×W (mm) | 1.25×2.0 | | | | 1.6×3.2 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.7 | 0.95 | | | 0.5 | | | | 0.8 | | | | | 1.25 | | | | | |
| Rated Voltage (Vdc) | 10 | 16 | 10 | 4 | 50 | 25 | 16 | 10 | 50 | 25 | 16 | 10 | 6.3 | 50 | 25 | 16 | 10 | 6.3 | |
| Cap. / TC Code | X7R | X7R | X7R | X7S | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X5R |
| 2200pF | | | | | | | | | | | | | | | | | | | |
| 4700pF | | | | | | | | | | | | | | | | | | | |
| 10000pF | | | | | p139 | | | | p139 | | | | | | | | | | |
| 22000pF | | | | | p139 | | | | p139 | | | | | | | | | | |
| 47000pF | | | | | | p139 | | | p139 | | | | | | | | | | |
| 0.10μF | | | | | | p139 | | | | p139 | | | | p139 | | | | | |
| 0.22μF | p139 | p139 | | | | | p139 | | | | p139 | | | | p139 | | | | |
| 0.47μF | | | p139 | | | | | p139 | | | p139 | | | | p139 | | | | |
| 1.0μF | | | p139 | | | | | | | | | p139 | | | | p139 | | | |
| 2.2μF | | | | p139 | | | | | | | | | p139 | | | | p139 | | |
| 4.3μF | | | | | | | | | | | | | | | | | | | |
| 4.7μF | | | | | | | | | | | | | | | | | | p139 | |
| 10μF | | | | | | | | | | | | | | | | | | | p139 |

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## LLM Series High Dielectric Constant Type

p00 ← Part Number List EIA: X7R X7S

| L×W (mm) | 2.0×1.25 | | 3.2×1.6 | | |
|---|---|---|---|---|---|
| T max. (mm) | 0.55 | | 0.55 | | |
| Rated Voltage (Vdc) | 6.3 | 4 | 16 | 10 | 6.3 |
| Cap. / TC Code | X7R | X7S | X7R | X7R | X7R |
| 0.10μF | | | p141 | | |
| 0.22μF | p141 | | p141 | | |
| 0.47μF | p141 | | | p141 | |
| 1.0μF | | p141 | | | |
| 2.2μF | | | | | p141 |

## LLR Series High Dielectric Constant Type

p00 ← Part Number List EIA: X7S

| L×W (mm) | 0.8×1.6 | | | |
|---|---|---|---|---|
| T max. (mm) | 0.55 | | | |
| Rated Voltage (Vdc) | 4 | | | |
| TC Code | X7S | | | |
| Cap. / ESR (mΩ) | 100 | 220 | 470 | 1000 |
| 1.0μF | p143 | p143 | p143 | p143 |

## KR3 Series High Dielectric Constant Type

p00 ← Part Number List EIA: X7T

| L×W (mm) | 6.1×5.3 | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 3.0 | | | 3.9 | | | 5.0 | | 6.7 | | |
| Rated Voltage (Vdc) | 630 | 450 | 250 | 630 | 450 | 250 | 450 | 250 | 630 | 450 | 250 |
| Cap. / TC Code | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T | X7T |
| 0.10μF | p149 | | | | | | | | | | |
| 0.15μF | p149 | | | | | | | | | | |
| 0.22μF | | p149 | | p149 | | | | | | | |
| 0.27μF | | | | p149 | | | | | | | |
| 0.33μF | | p149 | | | | | | | | | |
| 0.47μF | | p149 | p149 | | | | | | p149 | | |
| 0.56μF | | | | | p149 | | | | p149 | | |
| 0.68μF | | | p149 | | | | p149 | | | | |
| 1.0μF | | | | | | p149 | p149 | | | | |
| 1.2μF | | | | | | | | | | p149 | |
| 1.5μF | | | | | | | | p149 | | | |
| 2.2μF | | | | | | | | | | | p149 |

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## KRM Series High Dielectric Constant Type

p00 ← Part Number List EIA: X7R X7S X6S X5R

| L×W (mm) | 2.2×1.25 | | | | | 3.5×1.7 | | | | | 3.6×1.7 | 3.7×1.85 | 6.1×5.3 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 1.9 | | 2.0 | | | 2.0 | 2.9 | | | | 2.9 | 2.9 | 3.0 | | | | | | | | 3.9 | |
| Rated Voltage (Vdc) | 25 | 16 | 25 | | | 25 | 100 | 50 | 35 | 25 | 50 | 100 | 1000 | 630 | 250 | 100 | 63 | 50 | 35 | 25 | 100 | 63 |
| Cap. / TC Code | X5R | X5R | X7S | X6S | X5R | X5R | X7R | X7R | X6S | X6S | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R |
| 68000pF | | | | | | | | | | | | | p146 | | | | | | | | | |
| 0.10μF | | | | | | | | | | | | | p146 | | | | | | | | | |
| 0.15μF | | | | | | | | | | | | | | p146 | | | | | | | | |
| 0.22μF | | | | | | | | | | | | | | p146 | | | | | | | | |
| 0.33μF | | | | | | | | | | | | | | | | | | | | | | |
| 0.47μF | | | | | | | | | | | | | | | | | | | | | | |
| 0.68μF | | | | | | | | | | | | | | | p146 | | | | | | | |
| 1.0μF | | | | | | | p146 | | | | | | | | p146 | | | | | | | |
| 1.5μF | | | | | | | | | | | | | | | | | | | | | | |
| 2.2μF | | | | | | | | | | | p146 | p146 | | | | | | | | | | |
| 4.7μF | | | | | | | | p146 | | | | | | | | p146 | p146 | p146 | | | | |
| 6.8μF | | | | | | | | | | | | | | | | | | | | | p146 | |
| 10μF | p146 | p146 | p146 | p146 | | p146 | | | p146 | p146 | | | | | | | | p146 | p146 | | p146 | p146 |
| 15μF | | | | | | | | | | | | | | | | | | | p146 | p146 | | |
| 17μF | | | | | | | | | | | | | | | | | | | | | | |
| 22μF | | | | | p146 | | | | | | | | | | | | | | | | | |
| 33μF | | | | | | | | | | | | | | | | | | | | | | |
| 47μF | | | | | | | | | | | | | | | | | | | | | | |
| 68μF | | | | | | | | | | | | | | | | | | | | | | |

Continued to the following table.↙

| L×W (mm) | 6.1×5.3 | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 3.9 | | | 5.0 | | | | | | | 6.7 | | | | |
| Rated Voltage (Vdc) | 50 | 35 | 25 | 1000 | 630 | 250 | 100 | 50 | 35 | 25 | 100 | 63 | 50 | 35 | 25 |
| Cap. / TC Code | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R |
| 68000pF | | | | | | | | | | | | | | | |
| 0.10μF | | | | | | | | | | | | | | | |
| 0.15μF | | | | p146 | | | | | | | | | | | |
| 0.22μF | | | | p146 | | | | | | | | | | | |
| 0.33μF | | | | | p146 | | | | | | | | | | |
| 0.47μF | | | | | p146 | | | | | | | | | | |
| 0.68μF | | | | | | | | | | | | | | | |
| 1.0μF | | | | | | | | | | | | | | | |
| 1.5μF | | | | | | p146 | | | | | | | | | |
| 2.2μF | | | | | | p146 | | | | | | | | | |
| 4.7μF | | | | | | | | | | | | | | | |
| 6.8μF | | | | | | | | | | | | | | | |
| 10μF | | | | | | | p146 | | | | | | | | |
| 15μF | | | | | | | | | | | p146 | | | | |
| 17μF | p146 | p146 | | | | | | | | | | | | | |
| 22μF | | p146 | p146 | | | | | p146 | p146 | | p146 | p146 | | | |
| 33μF | | | p146 | | | | | | p146 | p146 | | | p146 | | |
| 47μF | | | | | | | | | | | | | | p146 | p146 |
| 68μF | | | | | | | | | | | | | | | p146 |

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## NFM Series

p00 ← Part Number List

| L×W (mm) | 1.0×0.5 | | | | | | | | 1.6×0.8 | | | | 2.0×1.25 | | | | | 3.2×1.25 | 3.2×1.6 | | | 4.5×1.6 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.35 | | 0.5 | | | | 0.65 | 0.7 | 0.7 | | 0.9 | | 0.95 | | | | | 0.9 | 1.5 | | | 1.2 | | |
| Rated Voltage (Vdc) | 6.3 | 4 | 16 | 10 | 6.3 | 2.5 | 2.5 | 2.5 | 16 | 6.3 | 10 | 6.3 | 50 | 25 | 16 | 10 | 6.3 | 50 | 100 | 50 | 6.3 | 100 | 50 | 25 |
| Cap. / TC Code | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 100pF | | | | | | | | | p151 | | | | | | | | | | | | | | | |
| 220pF | | | | | | | | | p151 | | | | p151 | | | | | p151 | | | | | | |
| 470pF | | | | | | | | | p151 | | | | p151 | | | | | p151 | | | | p151 | | |
| 1000pF | | | | | | | | | p151 | | | | p151 | | | | | p151 | | | | p151 | | |
| 2200pF | | | p151 | p151 | | | | | p151 | | | | p151 | | | | | p151 | | | | p151 | | |
| 10000pF | | | | | | | | | | | | | | | | | | | p151 | p151 | | | | |
| 15000pF | | | | | | | | | | | | | | | | | | | p151 | p151 | | | | |
| 22000pF | | | p151 | p151 | | | | | p151 | | | | p151 | | | | | p151 | p151 | p151 | | p151 | | |
| 47000pF | | | p151 | p151 | | | | | | | | | | | | | | | | | | | | |
| 0.10μF | | | | p151 | p151 | | | | p151 | | | | | p151 | | | | | p151 | p151 | | | | |
| 0.20μF | | | | | | | | | | | | | | | | | | | | | | | p151 | |
| 0.22μF | | | | p151 | p151 | | | | | p151 | | | | | p151 | | | | | | | | | |
| 0.47μF | p151 | p151 | | | | | | | | p151 | | | | | p151 | | | | | | | | | |
| 1.0μF | | p151 | | | | | | | | p151 | | p151 | | | p151 | p151 | | | | | | | | |
| 1.5μF | | | | | | | | | | | | | | | | | | | | | | | p151 | p151 |
| 2.2μF | | | | | | | | | | p151 | p151 | | | | | | p151 | | | | | | | |
| 4.3μF | | | | | | p151 | | | | | | | | | | | | | | | | | | |
| 4.7μF | | | | | | | | | | | | | | | | p151 | | | | | | | | |
| 7.5μF | | | | | | | p151 | | | | | | | | | | | | | | | | | |
| 9.1μF | | | | | | | | p151 | | | | | | | | | | | | | | | | |
| 10μF | | | | | | | | | | | | | | | | | p151 | | | | | | | |
| 27μF | | | | | | | | | | | | | | | | | | | | | p151 | | | |

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## GCH Series Temperature Compensating Type

p00 ← Part Number List EIA: C0G

| L×W (mm) | 1.0×0.5 | 1.6×0.8 | | 2.0×1.25 | | | | 3.2×1.6 | | |
|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.55 | 0.9 | | 0.7 | | 0.95 | 1.4 | 0.95 | | 1.25 |
| Rated Voltage (Vdc) | 50 | 100 | 50 | 100 | 50 | 50 | 50 | 100 | 50 | 50 |
| Cap. / TC Code | C0G | C0G | C0G | C0G | C0G | C0G | C0G | C0G | C0G | C0G |
| 1.0pF | p153 | p153 | p153 | | | | | | | |
| 2.0pF | p153 | p153 | p153 | | | | | | | |
| 3.0pF | p153 | p153 | p153 | | | | | | | |
| 4.0pF | p153 | p153 | p153 | | | | | | | |
| 5.0pF | p153 | p153 | p153 | | | | | | | |
| 6.0pF | p153 | p153 | p153 | | | | | | | |
| 7.0pF | p153 | p153 | p153 | | | | | | | |
| 8.0pF | p153 | p153 | p153 | | | | | | | |
| 9.0pF | p153 | p153 | p153 | | | | | | | |
| 10pF | p153 | p153 | p153 | | | | | | | |
| 15pF | p153 | p153 | p153 | | | | | | | |
| 22pF | p153 | p153 | p153 | | | | | | | |
| 33pF | p153 | p153 | p153 | | | | | | | |
| 47pF | p153 | p153 | p153 | | | | | | | |
| 68pF | p153 | p153 | p153 | | | | | | | |
| 100pF | p153 | p153 | p153 | p153 | | | | | | |
| 150pF | p153 | p153 | p153 | p153 | | | | | | |
| 220pF | p153 | p153 | p153 | p153 | | | | | | |
| 330pF | p153 | p153 | p153 | p153 | | | | | | |
| 470pF | p153 | p153 | p153 | p153 | | | | | | |
| 680pF | | p153 | p153 | p153 | | | | | | |
| 1000pF | p153 | p153 | p153 | p153 | p153 | | | | | |
| 1500pF | | p153 | p153 | p153 | p153 | | | | | |
| 2200pF | | | p153 | p153 | p153 | | | p153 | | |
| 3300pF | | | p153 | p153 | p153 | | | p153 | | |
| 4700pF | | | | | p153 | | | p153 | p154 | |
| 6800pF | | | | | | p153 | | p154 | p154 | |
| 10000pF | | | | | | p153 | | p154 | p154 | |
| 15000pF | | | | | | p153 | | | p154 | |
| 22000pF | | | | | | | p153 | | p154 | |
| 33000pF | | | | | | | | | p154 | |
| 47000pF | | | | | | | | | | p154 |

# Capacitance Table

p00 Each number in the Part Number List refers to the page number printed at the bottom of the page.

## GCH Series High Dielectric Constant Type

p00 ← Part Number List EIA: X7R X7S

| L×W (mm) | 1.0×0.5 | | | | | | 1.6×0.8 | | | | | | 2.0×1.25 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 0.55 | | | | | 0.7 | 0.9 | | | | | | 0.95 | | 1.4 | | | | | | | |
| Rated Voltage (Vdc) | 100 | 50 | 25 | 16 | 10 | 10 | 100 | 50 | 25 | 16 | 10 | 6.3 | 25 | 16 | 100 | 50 | 35 | 25 | 16 | 10 | | 6.3 |
| Cap. / TC Code | X7R | X7R | X7R | X7R | X7R | X7S | X7R | X7R | X7R | X7R | X7S | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7S | X7R |
| 220pF | p155 | p155 | | | | | | | | | | | | | | | | | | | | |
| 470pF | p155 | p155 | | | | | | | | | | | | | | | | | | | | |
| 1000pF | p155 | p155 | | | | | p155 | p155 | | | | | | | | | | | | | | |
| 2200pF | p155 | p155 | | | | | p155 | p155 | | | | | | | | | | | | | | |
| 4700pF | p155 | p155 | | | | | p155 | p155 | | | | | | | | | | | | | | |
| 10000pF | | p155 | p155 | | | | p155 | p155 | | | | | | | p155 | | | | | | | |
| 22000pF | | p155 | p155 | | | | p155 | p155 | | | | | | | p155 | | | | | | | |
| 47000pF | | p155 | p155 | p155 | | | | p155 | p155 | | | | | | p155 | p155 | | | | | | |
| 0.10μF | | p155 | | p155 | p155 | | p155 | p155 | p155 | p155 | | | | | p155 | p155 | | | | | | |
| 0.22μF | | | | p155 | | | | p155 | p155 | | | | | | | p155 | | p155 | | | | |
| 0.47μF | | | | | | | | | p155 | p155 | | | p155 | | | p155 | | | | | | |
| 1.0μF | | | | | | p155 | | | p155 | p155 | | | | p155 | | p155 | p155 | p155 | | | | |
| 2.2μF | | | | | | | | | | | p155 | p155 | | | | | | p155 | p155 | p155 | | |
| 4.7μF | | | | | | | | | | | | | | | | | | | p155 | | p155 | |
| 10μF | | | | | | | | | | | | | | | | | | | | p155 | | p155 |
| 22μF | | | | | | | | | | | | | | | | | | | | | | |
| 47μF | | | | | | | | | | | | | | | | | | | | | | |

Continued to the following table.↙

| L×W (mm) | 2.0×1.25 | | | 3.2×1.6 | | | | | | | | | 3.2×2.5 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| T max. (mm) | 1.45 | | | 0.95 | 1.25 | | 1.3 | 1.8 | | | | | 2.2 | | | 2.7 | | |
| Rated Voltage (Vdc) | 100 | 35 | 25 | 100 | 100 | 50 | 25 | 100 | 50 | 25 | 16 | 10 | 100 | 25 | 16 | 50 | 10 | 6.3 |
| Cap. / TC Code | X7S | X7S | X7S | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R | X7R |
| 220pF | | | | | | | | | | | | | | | | | | |
| 470pF | | | | | | | | | | | | | | | | | | |
| 1000pF | | | | | | | | | | | | | | | | | | |
| 2200pF | | | | | | | | | | | | | | | | | | |
| 4700pF | | | | | | | | | | | | | | | | | | |
| 10000pF | | | | | | | | | | | | | | | | | | |
| 22000pF | | | | | | | | | | | | | | | | | | |
| 47000pF | | | | | | | | | | | | | | | | | | |
| 0.10μF | | | | p155 | | | | | | | | | | | | | | |
| 0.22μF | | | | | p155 | | | | | | | | | | | | | |
| 0.47μF | | | | | | p155 | | | | | | | | | | | | |
| 1.0μF | p155 | | | | | p155 | | p155 | | | | | | | | p155 | | |
| 2.2μF | | | | | | | p155 | | p155 | | | | p155 | | | | | |
| 4.7μF | | p155 | p155 | | | | | | | p155 | p155 | | | p155 | | p155 | | |
| 10μF | | | | | | | | | | | p155 | p155 | | | p155 | | | |
| 22μF | | | | | | | | | | | | | | | | | p155 | |
| 47μF | | | | | | | | | | | | | | | | | | p155 |

# Search Capacitors

Specifications and Test Methods, Package, Chart of Characteristic Data, please refer to the search web page.
http://www.murata.com/en-global/products/capacitor

Links are provided to the product detail pages on the web, and are shown below in the product number table from the PDF version of the catalog which is available on the web.

## Data Sheet

The product details page can be output in PDF.

## Status and Features Icons

The status and features of products can be checked at once. When ? is clicked, a description of each icon will be displayed.

## Characteristics & Applications

This links to the introduction page of each series.

## Detailed Specifications Sheet

- Rated value
- Specifications and Test Methods
- Package
- Caution, Notice
  (Storage, Soldering and Mounting, ....etc.)

## Characteristics Data

The following characteristics data of the main products can be acquired.

- SPICE Netlist (mod type)
- S parameter (S2P type)
- Reliability Test Data *Typical data

- Shape (Dimensions)
- Rated Values

- Specification by Packaging Code/ Minimum Order Quantity
- Weight (1 pc/ø180mm reel)

## Chart of Characteristic Data

The main products published characteristic data.

- Frequency characteristics (ESR, Impedance)
- DC bias characteristics
- AC voltage characteristics
- Capacitance - temperature characteristics
- Calorific property by ripple current

## Design Tools SimSurfing

The SimSurfing design tools are useful for displaying the graph, downloading CSV data and overwriting the product number graph.

General Purpose Monolithic Ceramic Capacitors

# GRM Series

WEB

**This is Murata primary products renowned for both small size and large capacitance value with latest advanced technology.**

## Features

### 1 Achieves large-capacity and small size in a multilayer structure.

<Example of Structure>

"Thin Layer Technology"
**for thinner layers**

"Fine Particle Technology"
**for finer particles**

"High Precision Lamination Technology"
**for more accuracy**

ceramic thickness: 1μm
Internal electrode thickness: 0.7μm

ceramic thickness: 0.5μm
Internal electrode thickness: 0.4μm

### 2 Sn plating is applied to the external electrodes; excellent solderability.

### 3 High reliability with no polarity.

| | Ceramic Capacitors | Tantalum Capacitor | Aluminum Electrolytic Capacitor | Conductive Polymer Capacitor |
|---|---|---|---|---|
| Price | ○ | ○ | ◎ | ○ |
| Comparison between Impedance Frequency Characteristics | ◎ | △ | △ | ○ |
| Capacitance temperature characteristics | ○ | ◎ | ○ | ○ |
| DC breakdown voltage | ◎ | △ | △ | △ |
| Polarity | No | Yes | Yes | Yes |
| Pulse response | ◎ | △ | △ | ○ |
| Allowable ripple current | ◎ | △ | △ | △ |
| Reliability | ◎ | ○ | ○ | ○ |
| DC bias characteristics | △ | ◎ | ◎ | ◎ |

◎: Particularly excellent ○: Excellent △: Inferior

## Specifications

| | |
|---|---|
| Size (mm) | 0.25×0.125mm to 5.7×5.0mm |
| Rated Voltage | 2.5Vdc to 3150Vdc |
| Capacitance | 0.10pF to 330μF |
| Main Applications | 1. Rated voltage 100V Max.<br>High Dielectric Constant Type · · · For decoupling and smoothing circuits<br>Temperature Compensating Type · · · For tuning circuits, oscillating circuits, and high frequency filter circuits<br>2. Rated voltage 200V min.<br>High Dielectric Constant Type · · · For clamp snubber circuits and smoothing circuits<br>Temperature Compensating Type · · · Power supply damper snubber |

<Dimensions>

This catalog contains only a portion of the product lineup.
Please refer to the capacitor search tool on the Murata Web site for details.

# GRM Series Temperature Compensating Type Part Number List

## 0.4×0.2mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 50Vdc | C0G | 0.20pF | ±0.05pF | GRM0225C1HR20WA03# | |
| | | | | ±0.1pF | GRM0225C1HR20BA03# | |
| | | | 0.30pF | ±0.05pF | GRM0225C1HR30WA03# | |
| | | | | ±0.1pF | GRM0225C1HR30BA03# | |
| | | | 0.40pF | ±0.05pF | GRM0225C1HR40WA03# | |
| | | | | ±0.1pF | GRM0225C1HR40BA03# | |
| | | | 0.50pF | ±0.05pF | GRM0225C1HR50WA03# | |
| | | | | ±0.1pF | GRM0225C1HR50BA03# | |
| | | | 0.60pF | ±0.05pF | GRM0225C1HR60WA03# | |
| | | | | ±0.1pF | GRM0225C1HR60BA03# | |
| | | | 0.70pF | ±0.05pF | GRM0225C1HR70WA03# | |
| | | | | ±0.1pF | GRM0225C1HR70BA03# | |
| | | | 0.80pF | ±0.05pF | GRM0225C1HR80WA03# | |
| | | | | ±0.1pF | GRM0225C1HR80BA03# | |
| | | | 0.90pF | ±0.05pF | GRM0225C1HR90WA03# | |
| | | | | ±0.1pF | GRM0225C1HR90BA03# | |
| | | | 1.0pF | ±0.05pF | GRM0225C1H1R0WA03# | |
| | | | | ±0.1pF | GRM0225C1H1R0BA03# | |
| | | | | ±0.25pF | GRM0225C1H1R0CA03# | |
| | | | 1.1pF | ±0.05pF | GRM0225C1H1R1WA03# | |
| | | | | ±0.1pF | GRM0225C1H1R1BA03# | |
| | | | | ±0.25pF | GRM0225C1H1R1CA03# | |
| | | | 1.2pF | ±0.05pF | GRM0225C1H1R2WA03# | |
| | | | | ±0.1pF | GRM0225C1H1R2BA03# | |
| | | | | ±0.25pF | GRM0225C1H1R2CA03# | |
| | | | 1.3pF | ±0.05pF | GRM0225C1H1R3WA03# | |
| | | | | ±0.1pF | GRM0225C1H1R3BA03# | |
| | | | | ±0.25pF | GRM0225C1H1R3CA03# | |
| | | | 1.4pF | ±0.05pF | GRM0225C1H1R4WA03# | |
| | | | | ±0.1pF | GRM0225C1H1R4BA03# | |
| | | | | ±0.25pF | GRM0225C1H1R4CA03# | |
| | | | 1.5pF | ±0.05pF | GRM0225C1H1R5WA03# | |
| | | | | ±0.1pF | GRM0225C1H1R5BA03# | |
| | | | | ±0.25pF | GRM0225C1H1R5CA03# | |
| | | | 1.6pF | ±0.05pF | GRM0225C1H1R6WA03# | |
| | | | | ±0.1pF | GRM0225C1H1R6BA03# | |
| | | | | ±0.25pF | GRM0225C1H1R6CA03# | |
| | | | 1.7pF | ±0.05pF | GRM0225C1H1R7WA03# | |
| | | | | ±0.1pF | GRM0225C1H1R7BA03# | |
| | | | | ±0.25pF | GRM0225C1H1R7CA03# | |
| | | | 1.8pF | ±0.05pF | GRM0225C1H1R8WA03# | |
| | | | | ±0.1pF | GRM0225C1H1R8BA03# | |
| | | | | ±0.25pF | GRM0225C1H1R8CA03# | |
| | | | 1.9pF | ±0.05pF | GRM0225C1H1R9WA03# | |
| | | | | ±0.1pF | GRM0225C1H1R9BA03# | |
| | | | | ±0.25pF | GRM0225C1H1R9CA03# | |
| | | | 2.0pF | ±0.05pF | GRM0225C1H2R0WA03# | |
| | | | | ±0.1pF | GRM0225C1H2R0BA03# | |
| | | | | ±0.25pF | GRM0225C1H2R0CA03# | |
| | | | 2.1pF | ±0.05pF | GRM0225C1H2R1WA03# | |
| | | | | ±0.1pF | GRM0225C1H2R1BA03# | |
| | | | | ±0.25pF | GRM0225C1H2R1CA03# | |
| 0.22mm | 50Vdc | C0G | 2.2pF | ±0.05pF | GRM0225C1H2R2WA03# | |
| | | | | ±0.1pF | GRM0225C1H2R2BA03# | |
| | | | | ±0.25pF | GRM0225C1H2R2CA03# | |
| | | | 2.3pF | ±0.05pF | GRM0225C1H2R3WA03# | |
| | | | | ±0.1pF | GRM0225C1H2R3BA03# | |
| | | | | ±0.25pF | GRM0225C1H2R3CA03# | |
| | | | 2.4pF | ±0.05pF | GRM0225C1H2R4WA03# | |
| | | | | ±0.1pF | GRM0225C1H2R4BA03# | |
| | | | | ±0.25pF | GRM0225C1H2R4CA03# | |
| | | | 2.5pF | ±0.05pF | GRM0225C1H2R5WA03# | |
| | | | | ±0.1pF | GRM0225C1H2R5BA03# | |
| | | | | ±0.25pF | GRM0225C1H2R5CA03# | |
| | | | 2.6pF | ±0.05pF | GRM0225C1H2R6WA03# | |
| | | | | ±0.1pF | GRM0225C1H2R6BA03# | |
| | | | | ±0.25pF | GRM0225C1H2R6CA03# | |
| | | | 2.7pF | ±0.05pF | GRM0225C1H2R7WA03# | |
| | | | | ±0.1pF | GRM0225C1H2R7BA03# | |
| | | | | ±0.25pF | GRM0225C1H2R7CA03# | |
| | | | 2.8pF | ±0.05pF | GRM0225C1H2R8WA03# | |
| | | | | ±0.1pF | GRM0225C1H2R8BA03# | |
| | | | | ±0.25pF | GRM0225C1H2R8CA03# | |
| | | | 2.9pF | ±0.05pF | GRM0225C1H2R9WA03# | |
| | | | | ±0.1pF | GRM0225C1H2R9BA03# | |
| | | | | ±0.25pF | GRM0225C1H2R9CA03# | |
| | | | 3.0pF | ±0.05pF | GRM0225C1H3R0WA03# | |
| | | | | ±0.1pF | GRM0225C1H3R0BA03# | |
| | | | | ±0.25pF | GRM0225C1H3R0CA03# | |
| | | | 3.1pF | ±0.05pF | GRM0225C1H3R1WA03# | |
| | | | | ±0.1pF | GRM0225C1H3R1BA03# | |
| | | | | ±0.25pF | GRM0225C1H3R1CA03# | |
| | | | 3.2pF | ±0.05pF | GRM0225C1H3R2WA03# | |
| | | | | ±0.1pF | GRM0225C1H3R2BA03# | |
| | | | | ±0.25pF | GRM0225C1H3R2CA03# | |
| | | | 3.3pF | ±0.05pF | GRM0225C1H3R3WA03# | |
| | | | | ±0.1pF | GRM0225C1H3R3BA03# | |
| | | | | ±0.25pF | GRM0225C1H3R3CA03# | |
| | | | 3.4pF | ±0.05pF | GRM0225C1H3R4WA03# | |
| | | | | ±0.1pF | GRM0225C1H3R4BA03# | |
| | | | | ±0.25pF | GRM0225C1H3R4CA03# | |
| | | | 3.5pF | ±0.05pF | GRM0225C1H3R5WA03# | |
| | | | | ±0.1pF | GRM0225C1H3R5BA03# | |
| | | | | ±0.25pF | GRM0225C1H3R5CA03# | |
| | | | 3.6pF | ±0.05pF | GRM0225C1H3R6WA03# | |
| | | | | ±0.1pF | GRM0225C1H3R6BA03# | |
| | | | | ±0.25pF | GRM0225C1H3R6CA03# | |
| | | | 3.7pF | ±0.05pF | GRM0225C1H3R7WA03# | |
| | | | | ±0.1pF | GRM0225C1H3R7BA03# | |
| | | | | ±0.25pF | GRM0225C1H3R7CA03# | |
| | | | 3.8pF | ±0.05pF | GRM0225C1H3R8WA03# | |
| | | | | ±0.1pF | GRM0225C1H3R8BA03# | |
| | | | | ±0.25pF | GRM0225C1H3R8CA03# | |
| | | | 3.9pF | ±0.05pF | GRM0225C1H3R9WA03# | |
| | | | | ±0.1pF | GRM0225C1H3R9BA03# | |
| | | | | ±0.25pF | GRM0225C1H3R9CA03# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.4×0.2mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 50Vdc | C0G | 4.0pF | ±0.05pF | GRM0225C1H4R0WA03# | |
| | | | | ±0.1pF | GRM0225C1H4R0BA03# | |
| | | | | ±0.25pF | GRM0225C1H4R0CA03# | |
| | | | 4.1pF | ±0.05pF | GRM0225C1H4R1WA03# | |
| | | | | ±0.1pF | GRM0225C1H4R1BA03# | |
| | | | | ±0.25pF | GRM0225C1H4R1CA03# | |
| | | | 4.2pF | ±0.05pF | GRM0225C1H4R2WA03# | |
| | | | | ±0.1pF | GRM0225C1H4R2BA03# | |
| | | | | ±0.25pF | GRM0225C1H4R2CA03# | |
| | | | 4.3pF | ±0.05pF | GRM0225C1H4R3WA03# | |
| | | | | ±0.1pF | GRM0225C1H4R3BA03# | |
| | | | | ±0.25pF | GRM0225C1H4R3CA03# | |
| | | | 4.4pF | ±0.05pF | GRM0225C1H4R4WA03# | |
| | | | | ±0.1pF | GRM0225C1H4R4BA03# | |
| | | | | ±0.25pF | GRM0225C1H4R4CA03# | |
| | | | 4.5pF | ±0.05pF | GRM0225C1H4R5WA03# | |
| | | | | ±0.1pF | GRM0225C1H4R5BA03# | |
| | | | | ±0.25pF | GRM0225C1H4R5CA03# | |
| | | | 4.6pF | ±0.05pF | GRM0225C1H4R6WA03# | |
| | | | | ±0.1pF | GRM0225C1H4R6BA03# | |
| | | | | ±0.25pF | GRM0225C1H4R6CA03# | |
| | | | 4.7pF | ±0.05pF | GRM0225C1H4R7WA03# | |
| | | | | ±0.1pF | GRM0225C1H4R7BA03# | |
| | | | | ±0.25pF | GRM0225C1H4R7CA03# | |
| | | | 4.8pF | ±0.05pF | GRM0225C1H4R8WA03# | |
| | | | | ±0.1pF | GRM0225C1H4R8BA03# | |
| | | | | ±0.25pF | GRM0225C1H4R8CA03# | |
| | | | 4.9pF | ±0.05pF | GRM0225C1H4R9WA03# | |
| | | | | ±0.1pF | GRM0225C1H4R9BA03# | |
| | | | | ±0.25pF | GRM0225C1H4R9CA03# | |
| | | | 5.0pF | ±0.05pF | GRM0225C1H5R0WA03# | |
| | | | | ±0.1pF | GRM0225C1H5R0BA03# | |
| | | | | ±0.25pF | GRM0225C1H5R0CA03# | |
| | | | 5.1pF | ±0.05pF | GRM0225C1H5R1WA03# | |
| | | | | ±0.1pF | GRM0225C1H5R1BA03# | |
| | | | | ±0.25pF | GRM0225C1H5R1CA03# | |
| | | | | ±0.5pF | GRM0225C1H5R1DA03# | |
| | | | 5.2pF | ±0.05pF | GRM0225C1H5R2WA03# | |
| | | | | ±0.1pF | GRM0225C1H5R2BA03# | |
| | | | | ±0.25pF | GRM0225C1H5R2CA03# | |
| | | | | ±0.5pF | GRM0225C1H5R2DA03# | |
| | | | 5.3pF | ±0.05pF | GRM0225C1H5R3WA03# | |
| | | | | ±0.1pF | GRM0225C1H5R3BA03# | |
| | | | | ±0.25pF | GRM0225C1H5R3CA03# | |
| | | | | ±0.5pF | GRM0225C1H5R3DA03# | |
| | | | 5.4pF | ±0.05pF | GRM0225C1H5R4WA03# | |
| | | | | ±0.1pF | GRM0225C1H5R4BA03# | |
| | | | | ±0.25pF | GRM0225C1H5R4CA03# | |
| | | | | ±0.5pF | GRM0225C1H5R4DA03# | |
| | | | 5.5pF | ±0.05pF | GRM0225C1H5R5WA03# | |
| | | | | ±0.1pF | GRM0225C1H5R5BA03# | |
| | | | | ±0.25pF | GRM0225C1H5R5CA03# | |
| | | | | ±0.5pF | GRM0225C1H5R5DA03# | |
| | | | 5.6pF | ±0.05pF | GRM0225C1H5R6WA03# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 50Vdc | C0G | 5.6pF | ±0.1pF | GRM0225C1H5R6BA03# | |
| | | | | ±0.25pF | GRM0225C1H5R6CA03# | |
| | | | | ±0.5pF | GRM0225C1H5R6DA03# | |
| | | | 5.7pF | ±0.05pF | GRM0225C1H5R7WA03# | |
| | | | | ±0.1pF | GRM0225C1H5R7BA03# | |
| | | | | ±0.25pF | GRM0225C1H5R7CA03# | |
| | | | | ±0.5pF | GRM0225C1H5R7DA03# | |
| | | | 5.8pF | ±0.05pF | GRM0225C1H5R8WA03# | |
| | | | | ±0.1pF | GRM0225C1H5R8BA03# | |
| | | | | ±0.25pF | GRM0225C1H5R8CA03# | |
| | | | | ±0.5pF | GRM0225C1H5R8DA03# | |
| | | | 5.9pF | ±0.05pF | GRM0225C1H5R9WA03# | |
| | | | | ±0.1pF | GRM0225C1H5R9BA03# | |
| | | | | ±0.25pF | GRM0225C1H5R9CA03# | |
| | | | | ±0.5pF | GRM0225C1H5R9DA03# | |
| | | | 6.0pF | ±0.05pF | GRM0225C1H6R0WA03# | |
| | | | | ±0.1pF | GRM0225C1H6R0BA03# | |
| | | | | ±0.25pF | GRM0225C1H6R0CA03# | |
| | | | | ±0.5pF | GRM0225C1H6R0DA03# | |
| | | | 6.1pF | ±0.05pF | GRM0225C1H6R1WA03# | |
| | | | | ±0.1pF | GRM0225C1H6R1BA03# | |
| | | | | ±0.25pF | GRM0225C1H6R1CA03# | |
| | | | | ±0.5pF | GRM0225C1H6R1DA03# | |
| | | | 6.2pF | ±0.05pF | GRM0225C1H6R2WA03# | |
| | | | | ±0.1pF | GRM0225C1H6R2BA03# | |
| | | | | ±0.25pF | GRM0225C1H6R2CA03# | |
| | | | | ±0.5pF | GRM0225C1H6R2DA03# | |
| | | | 6.3pF | ±0.05pF | GRM0225C1H6R3WA03# | |
| | | | | ±0.1pF | GRM0225C1H6R3BA03# | |
| | | | | ±0.25pF | GRM0225C1H6R3CA03# | |
| | | | | ±0.5pF | GRM0225C1H6R3DA03# | |
| | | | 6.4pF | ±0.05pF | GRM0225C1H6R4WA03# | |
| | | | | ±0.1pF | GRM0225C1H6R4BA03# | |
| | | | | ±0.25pF | GRM0225C1H6R4CA03# | |
| | | | | ±0.5pF | GRM0225C1H6R4DA03# | |
| | | | 6.5pF | ±0.05pF | GRM0225C1H6R5WA03# | |
| | | | | ±0.1pF | GRM0225C1H6R5BA03# | |
| | | | | ±0.25pF | GRM0225C1H6R5CA03# | |
| | | | | ±0.5pF | GRM0225C1H6R5DA03# | |
| | | | 6.6pF | ±0.05pF | GRM0225C1H6R6WA03# | |
| | | | | ±0.1pF | GRM0225C1H6R6BA03# | |
| | | | | ±0.25pF | GRM0225C1H6R6CA03# | |
| | | | | ±0.5pF | GRM0225C1H6R6DA03# | |
| | | | 6.7pF | ±0.05pF | GRM0225C1H6R7WA03# | |
| | | | | ±0.1pF | GRM0225C1H6R7BA03# | |
| | | | | ±0.25pF | GRM0225C1H6R7CA03# | |
| | | | | ±0.5pF | GRM0225C1H6R7DA03# | |
| | | | 6.8pF | ±0.05pF | GRM0225C1H6R8WA03# | |
| | | | | ±0.1pF | GRM0225C1H6R8BA03# | |
| | | | | ±0.25pF | GRM0225C1H6R8CA03# | |
| | | | | ±0.5pF | GRM0225C1H6R8DA03# | |
| | | | 6.9pF | ±0.05pF | GRM0225C1H6R9WA03# | |
| | | | | ±0.1pF | GRM0225C1H6R9BA03# | |
| | | | | ±0.25pF | GRM0225C1H6R9CA03# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.4×0.2mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 50Vdc | C0G | 6.9pF | ±0.5pF | GRM0225C1H6R9DA03# | |
| | | | 7.0pF | ±0.05pF | GRM0225C1H7R0WA03# | |
| | | | | ±0.1pF | GRM0225C1H7R0BA03# | |
| | | | | ±0.25pF | GRM0225C1H7R0CA03# | |
| | | | | ±0.5pF | GRM0225C1H7R0DA03# | |
| | | | 7.1pF | ±0.05pF | GRM0225C1H7R1WA03# | |
| | | | | ±0.1pF | GRM0225C1H7R1BA03# | |
| | | | | ±0.25pF | GRM0225C1H7R1CA03# | |
| | | | | ±0.5pF | GRM0225C1H7R1DA03# | |
| | | | 7.2pF | ±0.05pF | GRM0225C1H7R2WA03# | |
| | | | | ±0.1pF | GRM0225C1H7R2BA03# | |
| | | | | ±0.25pF | GRM0225C1H7R2CA03# | |
| | | | | ±0.5pF | GRM0225C1H7R2DA03# | |
| | | | 7.3pF | ±0.05pF | GRM0225C1H7R3WA03# | |
| | | | | ±0.1pF | GRM0225C1H7R3BA03# | |
| | | | | ±0.25pF | GRM0225C1H7R3CA03# | |
| | | | | ±0.5pF | GRM0225C1H7R3DA03# | |
| | | | 7.4pF | ±0.05pF | GRM0225C1H7R4WA03# | |
| | | | | ±0.1pF | GRM0225C1H7R4BA03# | |
| | | | | ±0.25pF | GRM0225C1H7R4CA03# | |
| | | | | ±0.5pF | GRM0225C1H7R4DA03# | |
| | | | 7.5pF | ±0.05pF | GRM0225C1H7R5WA03# | |
| | | | | ±0.1pF | GRM0225C1H7R5BA03# | |
| | | | | ±0.25pF | GRM0225C1H7R5CA03# | |
| | | | | ±0.5pF | GRM0225C1H7R5DA03# | |
| | | | 7.6pF | ±0.05pF | GRM0225C1H7R6WA03# | |
| | | | | ±0.1pF | GRM0225C1H7R6BA03# | |
| | | | | ±0.25pF | GRM0225C1H7R6CA03# | |
| | | | | ±0.5pF | GRM0225C1H7R6DA03# | |
| | | | 7.7pF | ±0.05pF | GRM0225C1H7R7WA03# | |
| | | | | ±0.1pF | GRM0225C1H7R7BA03# | |
| | | | | ±0.25pF | GRM0225C1H7R7CA03# | |
| | | | | ±0.5pF | GRM0225C1H7R7DA03# | |
| | | | 7.8pF | ±0.05pF | GRM0225C1H7R8WA03# | |
| | | | | ±0.1pF | GRM0225C1H7R8BA03# | |
| | | | | ±0.25pF | GRM0225C1H7R8CA03# | |
| | | | | ±0.5pF | GRM0225C1H7R8DA03# | |
| | | | 7.9pF | ±0.05pF | GRM0225C1H7R9WA03# | |
| | | | | ±0.1pF | GRM0225C1H7R9BA03# | |
| | | | | ±0.25pF | GRM0225C1H7R9CA03# | |
| | | | | ±0.5pF | GRM0225C1H7R9DA03# | |
| | | | 8.0pF | ±0.05pF | GRM0225C1H8R0WA03# | |
| | | | | ±0.1pF | GRM0225C1H8R0BA03# | |
| | | | | ±0.25pF | GRM0225C1H8R0CA03# | |
| | | | | ±0.5pF | GRM0225C1H8R0DA03# | |
| | | | 8.1pF | ±0.05pF | GRM0225C1H8R1WA03# | |
| | | | | ±0.1pF | GRM0225C1H8R1BA03# | |
| | | | | ±0.25pF | GRM0225C1H8R1CA03# | |
| | | | | ±0.5pF | GRM0225C1H8R1DA03# | |
| | | | 8.2pF | ±0.05pF | GRM0225C1H8R2WA03# | |
| | | | | ±0.1pF | GRM0225C1H8R2BA03# | |
| | | | | ±0.25pF | GRM0225C1H8R2CA03# | |
| | | | | ±0.5pF | GRM0225C1H8R2DA03# | |
| | | | 8.3pF | ±0.05pF | GRM0225C1H8R3WA03# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 50Vdc | C0G | 8.3pF | ±0.1pF | GRM0225C1H8R3BA03# | |
| | | | | ±0.25pF | GRM0225C1H8R3CA03# | |
| | | | | ±0.5pF | GRM0225C1H8R3DA03# | |
| | | | 8.4pF | ±0.05pF | GRM0225C1H8R4WA03# | |
| | | | | ±0.1pF | GRM0225C1H8R4BA03# | |
| | | | | ±0.25pF | GRM0225C1H8R4CA03# | |
| | | | | ±0.5pF | GRM0225C1H8R4DA03# | |
| | | | 8.5pF | ±0.05pF | GRM0225C1H8R5WA03# | |
| | | | | ±0.1pF | GRM0225C1H8R5BA03# | |
| | | | | ±0.25pF | GRM0225C1H8R5CA03# | |
| | | | | ±0.5pF | GRM0225C1H8R5DA03# | |
| | | | 8.6pF | ±0.05pF | GRM0225C1H8R6WA03# | |
| | | | | ±0.1pF | GRM0225C1H8R6BA03# | |
| | | | | ±0.25pF | GRM0225C1H8R6CA03# | |
| | | | | ±0.5pF | GRM0225C1H8R6DA03# | |
| | | | 8.7pF | ±0.05pF | GRM0225C1H8R7WA03# | |
| | | | | ±0.1pF | GRM0225C1H8R7BA03# | |
| | | | | ±0.25pF | GRM0225C1H8R7CA03# | |
| | | | | ±0.5pF | GRM0225C1H8R7DA03# | |
| | | | 8.8pF | ±0.05pF | GRM0225C1H8R8WA03# | |
| | | | | ±0.1pF | GRM0225C1H8R8BA03# | |
| | | | | ±0.25pF | GRM0225C1H8R8CA03# | |
| | | | | ±0.5pF | GRM0225C1H8R8DA03# | |
| | | | 8.9pF | ±0.05pF | GRM0225C1H8R9WA03# | |
| | | | | ±0.1pF | GRM0225C1H8R9BA03# | |
| | | | | ±0.25pF | GRM0225C1H8R9CA03# | |
| | | | | ±0.5pF | GRM0225C1H8R9DA03# | |
| | | | 9.0pF | ±0.05pF | GRM0225C1H9R0WA03# | |
| | | | | ±0.1pF | GRM0225C1H9R0BA03# | |
| | | | | ±0.25pF | GRM0225C1H9R0CA03# | |
| | | | | ±0.5pF | GRM0225C1H9R0DA03# | |
| | | | 9.1pF | ±0.05pF | GRM0225C1H9R1WA03# | |
| | | | | ±0.1pF | GRM0225C1H9R1BA03# | |
| | | | | ±0.25pF | GRM0225C1H9R1CA03# | |
| | | | | ±0.5pF | GRM0225C1H9R1DA03# | |
| | | | 9.2pF | ±0.05pF | GRM0225C1H9R2WA03# | |
| | | | | ±0.1pF | GRM0225C1H9R2BA03# | |
| | | | | ±0.25pF | GRM0225C1H9R2CA03# | |
| | | | | ±0.5pF | GRM0225C1H9R2DA03# | |
| | | | 9.3pF | ±0.05pF | GRM0225C1H9R3WA03# | |
| | | | | ±0.1pF | GRM0225C1H9R3BA03# | |
| | | | | ±0.25pF | GRM0225C1H9R3CA03# | |
| | | | | ±0.5pF | GRM0225C1H9R3DA03# | |
| | | | 9.4pF | ±0.05pF | GRM0225C1H9R4WA03# | |
| | | | | ±0.1pF | GRM0225C1H9R4BA03# | |
| | | | | ±0.25pF | GRM0225C1H9R4CA03# | |
| | | | | ±0.5pF | GRM0225C1H9R4DA03# | |
| | | | 9.5pF | ±0.05pF | GRM0225C1H9R5WA03# | |
| | | | | ±0.1pF | GRM0225C1H9R5BA03# | |
| | | | | ±0.25pF | GRM0225C1H9R5CA03# | |
| | | | | ±0.5pF | GRM0225C1H9R5DA03# | |
| | | | 9.6pF | ±0.05pF | GRM0225C1H9R6WA03# | |
| | | | | ±0.1pF | GRM0225C1H9R6BA03# | |
| | | | | ±0.25pF | GRM0225C1H9R6CA03# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.4×0.2mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 50Vdc | C0G | 9.6pF | ±0.5pF | **GRM0225C1H9R6DA03#** | |
| | | | 9.7pF | ±0.05pF | **GRM0225C1H9R7WA03#** | |
| | | | | ±0.1pF | **GRM0225C1H9R7BA03#** | |
| | | | | ±0.25pF | **GRM0225C1H9R7CA03#** | |
| | | | | ±0.5pF | **GRM0225C1H9R7DA03#** | |
| | | | 9.8pF | ±0.05pF | **GRM0225C1H9R8WA03#** | |
| | | | | ±0.1pF | **GRM0225C1H9R8BA03#** | |
| | | | | ±0.25pF | **GRM0225C1H9R8CA03#** | |
| | | | | ±0.5pF | **GRM0225C1H9R8DA03#** | |
| | | | 9.9pF | ±0.05pF | **GRM0225C1H9R9WA03#** | |
| | | | | ±0.1pF | **GRM0225C1H9R9BA03#** | |
| | | | | ±0.25pF | **GRM0225C1H9R9CA03#** | |
| | | | | ±0.5pF | **GRM0225C1H9R9DA03#** | |
| | | | 10pF | ±2% | **GRM0225C1H100GA03#** | |
| | | | | ±5% | **GRM0225C1H100JA03#** | |
| | | | 11pF | ±2% | **GRM0225C1H110GA03#** | |
| | | | | ±5% | **GRM0225C1H110JA03#** | |
| | | | 12pF | ±2% | **GRM0225C1H120GA03#** | |
| | | | | ±5% | **GRM0225C1H120JA03#** | |
| | | | 13pF | ±2% | **GRM0225C1H130GA03#** | |
| | | | | ±5% | **GRM0225C1H130JA03#** | |
| | | | 15pF | ±2% | **GRM0225C1H150GA03#** | |
| | | | | ±5% | **GRM0225C1H150JA03#** | |
| | | | 16pF | ±2% | **GRM0225C1H160GA03#** | |
| | | | | ±5% | **GRM0225C1H160JA03#** | |
| | | | 17pF | ±5% | **GRM0225C1H170JA02#** | |
| | | | 18pF | ±5% | **GRM0225C1H180JA02#** | |
| | | | 19pF | ±5% | **GRM0225C1H190JA02#** | |
| | | | 20pF | ±5% | **GRM0225C1H200JA02#** | |
| | | | 21pF | ±5% | **GRM0225C1H210JA02#** | |
| | | | 22pF | ±5% | **GRM0225C1H220JA02#** | |
| | | | 23pF | ±5% | **GRM0225C1H230JA02#** | |
| | | | 24pF | ±5% | **GRM0225C1H240JA02#** | |
| | | | 27pF | ±5% | **GRM0225C1H270JA02#** | |
| | | | 30pF | ±5% | **GRM0225C1H300JA02#** | |
| | | | 33pF | ±5% | **GRM0225C1H330JA02#** | |
| | | | 36pF | ±5% | **GRM0225C1H360JA02#** | |
| | | | 39pF | ±5% | **GRM0225C1H390JA02#** | |
| | | | 43pF | ±5% | **GRM0225C1H430JA02#** | |
| | | | 47pF | ±5% | **GRM0225C1H470JA02#** | |
| | | | 51pF | ±5% | **GRM0225C1H510JA02#** | |
| | | | 56pF | ±5% | **GRM0225C1H560JA02#** | |
| | | | 62pF | ±5% | **GRM0225C1H620JA02#** | |
| | | | 68pF | ±5% | **GRM0225C1H680JA02#** | |
| | | | 75pF | ±5% | **GRM0225C1H750JA02#** | |
| | | | 82pF | ±5% | **GRM0225C1H820JA02#** | |
| | | | 91pF | ±5% | **GRM0225C1H910JA02#** | |
| | | | 100pF | ±5% | **GRM0225C1H101JA02#** | |
| | | CK | 0.20pF | ±0.05pF | **GRM0224C1HR20WA03#** | |
| | | | | ±0.1pF | **GRM0224C1HR20BA03#** | |
| | | | 0.30pF | ±0.05pF | **GRM0224C1HR30WA03#** | |
| | | | | ±0.1pF | **GRM0224C1HR30BA03#** | |
| | | | 0.40pF | ±0.05pF | **GRM0224C1HR40WA03#** | |
| | | | | ±0.1pF | **GRM0224C1HR40BA03#** | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 50Vdc | CK | 0.50pF | ±0.05pF | **GRM0224C1HR50WA03#** | |
| | | | | ±0.1pF | **GRM0224C1HR50BA03#** | |
| | | | 0.51pF | ±0.05pF | **GRM0224C1HR51WA03#** | |
| | | | 0.60pF | ±0.05pF | **GRM0224C1HR60WA03#** | |
| | | | | ±0.1pF | **GRM0224C1HR60BA03#** | |
| | | | 0.70pF | ±0.05pF | **GRM0224C1HR70WA03#** | |
| | | | | ±0.1pF | **GRM0224C1HR70BA03#** | |
| | | | 0.80pF | ±0.05pF | **GRM0224C1HR80WA03#** | |
| | | | | ±0.1pF | **GRM0224C1HR80BA03#** | |
| | | | 0.90pF | ±0.05pF | **GRM0224C1HR90WA03#** | |
| | | | | ±0.1pF | **GRM0224C1HR90BA03#** | |
| | | | 1.0pF | ±0.05pF | **GRM0224C1H1R0WA03#** | |
| | | | | ±0.1pF | **GRM0224C1H1R0BA03#** | |
| | | | | ±0.25pF | **GRM0224C1H1R0CA03#** | |
| | | | 1.1pF | ±0.05pF | **GRM0224C1H1R1WA03#** | |
| | | | | ±0.1pF | **GRM0224C1H1R1BA03#** | |
| | | | | ±0.25pF | **GRM0224C1H1R1CA03#** | |
| | | | 1.2pF | ±0.05pF | **GRM0224C1H1R2WA03#** | |
| | | | | ±0.1pF | **GRM0224C1H1R2BA03#** | |
| | | | | ±0.25pF | **GRM0224C1H1R2CA03#** | |
| | | | 1.3pF | ±0.05pF | **GRM0224C1H1R3WA03#** | |
| | | | | ±0.1pF | **GRM0224C1H1R3BA03#** | |
| | | | | ±0.25pF | **GRM0224C1H1R3CA03#** | |
| | | | 1.4pF | ±0.05pF | **GRM0224C1H1R4WA03#** | |
| | | | | ±0.1pF | **GRM0224C1H1R4BA03#** | |
| | | | | ±0.25pF | **GRM0224C1H1R4CA03#** | |
| | | | 1.5pF | ±0.05pF | **GRM0224C1H1R5WA03#** | |
| | | | | ±0.1pF | **GRM0224C1H1R5BA03#** | |
| | | | | ±0.25pF | **GRM0224C1H1R5CA03#** | |
| | | | 1.6pF | ±0.05pF | **GRM0224C1H1R6WA03#** | |
| | | | | ±0.1pF | **GRM0224C1H1R6BA03#** | |
| | | | | ±0.25pF | **GRM0224C1H1R6CA03#** | |
| | | | 1.7pF | ±0.05pF | **GRM0224C1H1R7WA03#** | |
| | | | | ±0.1pF | **GRM0224C1H1R7BA03#** | |
| | | | | ±0.25pF | **GRM0224C1H1R7CA03#** | |
| | | | 1.8pF | ±0.05pF | **GRM0224C1H1R8WA03#** | |
| | | | | ±0.1pF | **GRM0224C1H1R8BA03#** | |
| | | | | ±0.25pF | **GRM0224C1H1R8CA03#** | |
| | | | 1.9pF | ±0.05pF | **GRM0224C1H1R9WA03#** | |
| | | | | ±0.1pF | **GRM0224C1H1R9BA03#** | |
| | | | | ±0.25pF | **GRM0224C1H1R9CA03#** | |
| | | | 2.0pF | ±0.05pF | **GRM0224C1H2R0WA03#** | |
| | | | | ±0.1pF | **GRM0224C1H2R0BA03#** | |
| | | | | ±0.25pF | **GRM0224C1H2R0CA03#** | |
| | | CJ | 2.1pF | ±0.05pF | **GRM0223C1H2R1WA03#** | |
| | | | | ±0.1pF | **GRM0223C1H2R1BA03#** | |
| | | | | ±0.25pF | **GRM0223C1H2R1CA03#** | |
| | | | 2.2pF | ±0.05pF | **GRM0223C1H2R2WA03#** | |
| | | | | ±0.1pF | **GRM0223C1H2R2BA03#** | |
| | | | | ±0.25pF | **GRM0223C1H2R2CA03#** | |
| | | | 2.3pF | ±0.05pF | **GRM0223C1H2R3WA03#** | |
| | | | | ±0.1pF | **GRM0223C1H2R3BA03#** | |
| | | | | ±0.25pF | **GRM0223C1H2R3CA03#** | |
| | | | 2.4pF | ±0.05pF | **GRM0223C1H2R4WA03#** | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.4×0.2mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 50Vdc | CJ | 2.4pF | ±0.1pF | GRM0223C1H2R4BA03# | |
| | | | | ±0.25pF | GRM0223C1H2R4CA03# | |
| | | | 2.5pF | ±0.05pF | GRM0223C1H2R5WA03# | |
| | | | | ±0.1pF | GRM0223C1H2R5BA03# | |
| | | | | ±0.25pF | GRM0223C1H2R5CA03# | |
| | | | 2.6pF | ±0.05pF | GRM0223C1H2R6WA03# | |
| | | | | ±0.1pF | GRM0223C1H2R6BA03# | |
| | | | | ±0.25pF | GRM0223C1H2R6CA03# | |
| | | | 2.7pF | ±0.05pF | GRM0223C1H2R7WA03# | |
| | | | | ±0.1pF | GRM0223C1H2R7BA03# | |
| | | | | ±0.25pF | GRM0223C1H2R7CA03# | |
| | | | 2.8pF | ±0.05pF | GRM0223C1H2R8WA03# | |
| | | | | ±0.1pF | GRM0223C1H2R8BA03# | |
| | | | | ±0.25pF | GRM0223C1H2R8CA03# | |
| | | | 2.9pF | ±0.05pF | GRM0223C1H2R9WA03# | |
| | | | | ±0.1pF | GRM0223C1H2R9BA03# | |
| | | | | ±0.25pF | GRM0223C1H2R9CA03# | |
| | | | 3.0pF | ±0.05pF | GRM0223C1H3R0WA03# | |
| | | | | ±0.1pF | GRM0223C1H3R0BA03# | |
| | | | | ±0.25pF | GRM0223C1H3R0CA03# | |
| | | | 3.1pF | ±0.05pF | GRM0223C1H3R1WA03# | |
| | | | | ±0.1pF | GRM0223C1H3R1BA03# | |
| | | | | ±0.25pF | GRM0223C1H3R1CA03# | |
| | | | 3.2pF | ±0.05pF | GRM0223C1H3R2WA03# | |
| | | | | ±0.1pF | GRM0223C1H3R2BA03# | |
| | | | | ±0.25pF | GRM0223C1H3R2CA03# | |
| | | | 3.3pF | ±0.05pF | GRM0223C1H3R3WA03# | |
| | | | | ±0.1pF | GRM0223C1H3R3BA03# | |
| | | | | ±0.25pF | GRM0223C1H3R3CA03# | |
| | | | 3.4pF | ±0.05pF | GRM0223C1H3R4WA03# | |
| | | | | ±0.1pF | GRM0223C1H3R4BA03# | |
| | | | | ±0.25pF | GRM0223C1H3R4CA03# | |
| | | | 3.5pF | ±0.05pF | GRM0223C1H3R5WA03# | |
| | | | | ±0.1pF | GRM0223C1H3R5BA03# | |
| | | | | ±0.25pF | GRM0223C1H3R5CA03# | |
| | | | 3.6pF | ±0.05pF | GRM0223C1H3R6WA03# | |
| | | | | ±0.1pF | GRM0223C1H3R6BA03# | |
| | | | | ±0.25pF | GRM0223C1H3R6CA03# | |
| | | | 3.7pF | ±0.05pF | GRM0223C1H3R7WA03# | |
| | | | | ±0.1pF | GRM0223C1H3R7BA03# | |
| | | | | ±0.25pF | GRM0223C1H3R7CA03# | |
| | | | 3.8pF | ±0.05pF | GRM0223C1H3R8WA03# | |
| | | | | ±0.1pF | GRM0223C1H3R8BA03# | |
| | | | | ±0.25pF | GRM0223C1H3R8CA03# | |
| | | | 3.9pF | ±0.05pF | GRM0223C1H3R9WA03# | |
| | | | | ±0.1pF | GRM0223C1H3R9BA03# | |
| | | | | ±0.25pF | GRM0223C1H3R9CA03# | |
| | | CH | 4.0pF | ±0.05pF | GRM0222C1H4R0WA03# | |
| | | | | ±0.1pF | GRM0222C1H4R0BA03# | |
| | | | | ±0.25pF | GRM0222C1H4R0CA03# | |
| | | | 4.1pF | ±0.05pF | GRM0222C1H4R1WA03# | |
| | | | | ±0.1pF | GRM0222C1H4R1BA03# | |
| | | | | ±0.25pF | GRM0222C1H4R1CA03# | |
| | | | 4.2pF | ±0.05pF | GRM0222C1H4R2WA03# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 50Vdc | CH | 4.2pF | ±0.1pF | GRM0222C1H4R2BA03# | |
| | | | | ±0.25pF | GRM0222C1H4R2CA03# | |
| | | | 4.3pF | ±0.05pF | GRM0222C1H4R3WA03# | |
| | | | | ±0.1pF | GRM0222C1H4R3BA03# | |
| | | | | ±0.25pF | GRM0222C1H4R3CA03# | |
| | | | 4.4pF | ±0.05pF | GRM0222C1H4R4WA03# | |
| | | | | ±0.1pF | GRM0222C1H4R4BA03# | |
| | | | | ±0.25pF | GRM0222C1H4R4CA03# | |
| | | | 4.5pF | ±0.05pF | GRM0222C1H4R5WA03# | |
| | | | | ±0.1pF | GRM0222C1H4R5BA03# | |
| | | | | ±0.25pF | GRM0222C1H4R5CA03# | |
| | | | 4.6pF | ±0.05pF | GRM0222C1H4R6WA03# | |
| | | | | ±0.1pF | GRM0222C1H4R6BA03# | |
| | | | | ±0.25pF | GRM0222C1H4R6CA03# | |
| | | | 4.7pF | ±0.05pF | GRM0222C1H4R7WA03# | |
| | | | | ±0.1pF | GRM0222C1H4R7BA03# | |
| | | | | ±0.25pF | GRM0222C1H4R7CA03# | |
| | | | 4.8pF | ±0.05pF | GRM0222C1H4R8WA03# | |
| | | | | ±0.1pF | GRM0222C1H4R8BA03# | |
| | | | | ±0.25pF | GRM0222C1H4R8CA03# | |
| | | | 4.9pF | ±0.05pF | GRM0222C1H4R9WA03# | |
| | | | | ±0.1pF | GRM0222C1H4R9BA03# | |
| | | | | ±0.25pF | GRM0222C1H4R9CA03# | |
| | | | 5.0pF | ±0.05pF | GRM0222C1H5R0WA03# | |
| | | | | ±0.1pF | GRM0222C1H5R0BA03# | |
| | | | | ±0.25pF | GRM0222C1H5R0CA03# | |
| | | | 5.1pF | ±0.05pF | GRM0222C1H5R1WA03# | |
| | | | | ±0.1pF | GRM0222C1H5R1BA03# | |
| | | | | ±0.25pF | GRM0222C1H5R1CA03# | |
| | | | | ±0.5pF | GRM0222C1H5R1DA03# | |
| | | | 5.2pF | ±0.05pF | GRM0222C1H5R2WA03# | |
| | | | | ±0.1pF | GRM0222C1H5R2BA03# | |
| | | | | ±0.25pF | GRM0222C1H5R2CA03# | |
| | | | | ±0.5pF | GRM0222C1H5R2DA03# | |
| | | | 5.3pF | ±0.05pF | GRM0222C1H5R3WA03# | |
| | | | | ±0.1pF | GRM0222C1H5R3BA03# | |
| | | | | ±0.25pF | GRM0222C1H5R3CA03# | |
| | | | | ±0.5pF | GRM0222C1H5R3DA03# | |
| | | | 5.4pF | ±0.05pF | GRM0222C1H5R4WA03# | |
| | | | | ±0.1pF | GRM0222C1H5R4BA03# | |
| | | | | ±0.25pF | GRM0222C1H5R4CA03# | |
| | | | | ±0.5pF | GRM0222C1H5R4DA03# | |
| | | | 5.5pF | ±0.05pF | GRM0222C1H5R5WA03# | |
| | | | | ±0.1pF | GRM0222C1H5R5BA03# | |
| | | | | ±0.25pF | GRM0222C1H5R5CA03# | |
| | | | | ±0.5pF | GRM0222C1H5R5DA03# | |
| | | | 5.6pF | ±0.05pF | GRM0222C1H5R6WA03# | |
| | | | | ±0.1pF | GRM0222C1H5R6BA03# | |
| | | | | ±0.25pF | GRM0222C1H5R6CA03# | |
| | | | | ±0.5pF | GRM0222C1H5R6DA03# | |
| | | | 5.7pF | ±0.05pF | GRM0222C1H5R7WA03# | |
| | | | | ±0.1pF | GRM0222C1H5R7BA03# | |
| | | | | ±0.25pF | GRM0222C1H5R7CA03# | |
| | | | | ±0.5pF | GRM0222C1H5R7DA03# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.4×0.2mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 50Vdc | CH | 5.8pF | ±0.05pF | GRM0222C1H5R8WA03# | |
| | | | | ±0.1pF | GRM0222C1H5R8BA03# | |
| | | | | ±0.25pF | GRM0222C1H5R8CA03# | |
| | | | | ±0.5pF | GRM0222C1H5R8DA03# | |
| | | | 5.9pF | ±0.05pF | GRM0222C1H5R9WA03# | |
| | | | | ±0.1pF | GRM0222C1H5R9BA03# | |
| | | | | ±0.25pF | GRM0222C1H5R9CA03# | |
| | | | | ±0.5pF | GRM0222C1H5R9DA03# | |
| | | | 6.0pF | ±0.05pF | GRM0222C1H6R0WA03# | |
| | | | | ±0.1pF | GRM0222C1H6R0BA03# | |
| | | | | ±0.25pF | GRM0222C1H6R0CA03# | |
| | | | | ±0.5pF | GRM0222C1H6R0DA03# | |
| | | | 6.1pF | ±0.05pF | GRM0222C1H6R1WA03# | |
| | | | | ±0.1pF | GRM0222C1H6R1BA03# | |
| | | | | ±0.25pF | GRM0222C1H6R1CA03# | |
| | | | | ±0.5pF | GRM0222C1H6R1DA03# | |
| | | | 6.2pF | ±0.05pF | GRM0222C1H6R2WA03# | |
| | | | | ±0.1pF | GRM0222C1H6R2BA03# | |
| | | | | ±0.25pF | GRM0222C1H6R2CA03# | |
| | | | | ±0.5pF | GRM0222C1H6R2DA03# | |
| | | | 6.3pF | ±0.05pF | GRM0222C1H6R3WA03# | |
| | | | | ±0.1pF | GRM0222C1H6R3BA03# | |
| | | | | ±0.25pF | GRM0222C1H6R3CA03# | |
| | | | | ±0.5pF | GRM0222C1H6R3DA03# | |
| | | | 6.4pF | ±0.05pF | GRM0222C1H6R4WA03# | |
| | | | | ±0.1pF | GRM0222C1H6R4BA03# | |
| | | | | ±0.25pF | GRM0222C1H6R4CA03# | |
| | | | | ±0.5pF | GRM0222C1H6R4DA03# | |
| | | | 6.5pF | ±0.05pF | GRM0222C1H6R5WA03# | |
| | | | | ±0.1pF | GRM0222C1H6R5BA03# | |
| | | | | ±0.25pF | GRM0222C1H6R5CA03# | |
| | | | | ±0.5pF | GRM0222C1H6R5DA03# | |
| | | | 6.6pF | ±0.05pF | GRM0222C1H6R6WA03# | |
| | | | | ±0.1pF | GRM0222C1H6R6BA03# | |
| | | | | ±0.25pF | GRM0222C1H6R6CA03# | |
| | | | | ±0.5pF | GRM0222C1H6R6DA03# | |
| | | | 6.7pF | ±0.05pF | GRM0222C1H6R7WA03# | |
| | | | | ±0.1pF | GRM0222C1H6R7BA03# | |
| | | | | ±0.25pF | GRM0222C1H6R7CA03# | |
| | | | | ±0.5pF | GRM0222C1H6R7DA03# | |
| | | | 6.8pF | ±0.05pF | GRM0222C1H6R8WA03# | |
| | | | | ±0.1pF | GRM0222C1H6R8BA03# | |
| | | | | ±0.25pF | GRM0222C1H6R8CA03# | |
| | | | | ±0.5pF | GRM0222C1H6R8DA03# | |
| | | | 6.9pF | ±0.05pF | GRM0222C1H6R9WA03# | |
| | | | | ±0.1pF | GRM0222C1H6R9BA03# | |
| | | | | ±0.25pF | GRM0222C1H6R9CA03# | |
| | | | | ±0.5pF | GRM0222C1H6R9DA03# | |
| | | | 7.0pF | ±0.05pF | GRM0222C1H7R0WA03# | |
| | | | | ±0.1pF | GRM0222C1H7R0BA03# | |
| | | | | ±0.25pF | GRM0222C1H7R0CA03# | |
| | | | | ±0.5pF | GRM0222C1H7R0DA03# | |
| | | | 7.1pF | ±0.05pF | GRM0222C1H7R1WA03# | |
| | | | | ±0.1pF | GRM0222C1H7R1BA03# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 50Vdc | CH | 7.1pF | ±0.25pF | GRM0222C1H7R1CA03# | |
| | | | | ±0.5pF | GRM0222C1H7R1DA03# | |
| | | | 7.2pF | ±0.05pF | GRM0222C1H7R2WA03# | |
| | | | | ±0.1pF | GRM0222C1H7R2BA03# | |
| | | | | ±0.25pF | GRM0222C1H7R2CA03# | |
| | | | | ±0.5pF | GRM0222C1H7R2DA03# | |
| | | | 7.3pF | ±0.05pF | GRM0222C1H7R3WA03# | |
| | | | | ±0.1pF | GRM0222C1H7R3BA03# | |
| | | | | ±0.25pF | GRM0222C1H7R3CA03# | |
| | | | | ±0.5pF | GRM0222C1H7R3DA03# | |
| | | | 7.4pF | ±0.05pF | GRM0222C1H7R4WA03# | |
| | | | | ±0.1pF | GRM0222C1H7R4BA03# | |
| | | | | ±0.25pF | GRM0222C1H7R4CA03# | |
| | | | | ±0.5pF | GRM0222C1H7R4DA03# | |
| | | | 7.5pF | ±0.05pF | GRM0222C1H7R5WA03# | |
| | | | | ±0.1pF | GRM0222C1H7R5BA03# | |
| | | | | ±0.25pF | GRM0222C1H7R5CA03# | |
| | | | | ±0.5pF | GRM0222C1H7R5DA03# | |
| | | | 7.6pF | ±0.05pF | GRM0222C1H7R6WA03# | |
| | | | | ±0.1pF | GRM0222C1H7R6BA03# | |
| | | | | ±0.25pF | GRM0222C1H7R6CA03# | |
| | | | | ±0.5pF | GRM0222C1H7R6DA03# | |
| | | | 7.7pF | ±0.05pF | GRM0222C1H7R7WA03# | |
| | | | | ±0.1pF | GRM0222C1H7R7BA03# | |
| | | | | ±0.25pF | GRM0222C1H7R7CA03# | |
| | | | | ±0.5pF | GRM0222C1H7R7DA03# | |
| | | | 7.8pF | ±0.05pF | GRM0222C1H7R8WA03# | |
| | | | | ±0.1pF | GRM0222C1H7R8BA03# | |
| | | | | ±0.25pF | GRM0222C1H7R8CA03# | |
| | | | | ±0.5pF | GRM0222C1H7R8DA03# | |
| | | | 7.9pF | ±0.05pF | GRM0222C1H7R9WA03# | |
| | | | | ±0.1pF | GRM0222C1H7R9BA03# | |
| | | | | ±0.25pF | GRM0222C1H7R9CA03# | |
| | | | | ±0.5pF | GRM0222C1H7R9DA03# | |
| | | | 8.0pF | ±0.05pF | GRM0222C1H8R0WA03# | |
| | | | | ±0.1pF | GRM0222C1H8R0BA03# | |
| | | | | ±0.25pF | GRM0222C1H8R0CA03# | |
| | | | | ±0.5pF | GRM0222C1H8R0DA03# | |
| | | | 8.1pF | ±0.05pF | GRM0222C1H8R1WA03# | |
| | | | | ±0.1pF | GRM0222C1H8R1BA03# | |
| | | | | ±0.25pF | GRM0222C1H8R1CA03# | |
| | | | | ±0.5pF | GRM0222C1H8R1DA03# | |
| | | | 8.2pF | ±0.05pF | GRM0222C1H8R2WA03# | |
| | | | | ±0.1pF | GRM0222C1H8R2BA03# | |
| | | | | ±0.25pF | GRM0222C1H8R2CA03# | |
| | | | | ±0.5pF | GRM0222C1H8R2DA03# | |
| | | | 8.3pF | ±0.05pF | GRM0222C1H8R3WA03# | |
| | | | | ±0.1pF | GRM0222C1H8R3BA03# | |
| | | | | ±0.25pF | GRM0222C1H8R3CA03# | |
| | | | | ±0.5pF | GRM0222C1H8R3DA03# | |
| | | | 8.4pF | ±0.05pF | GRM0222C1H8R4WA03# | |
| | | | | ±0.1pF | GRM0222C1H8R4BA03# | |
| | | | | ±0.25pF | GRM0222C1H8R4CA03# | |
| | | | | ±0.5pF | GRM0222C1H8R4DA03# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.4×0.2mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 50Vdc | CH | 8.5pF | ±0.05pF | GRM0222C1H8R5WA03# | |
| | | | | ±0.1pF | GRM0222C1H8R5BA03# | |
| | | | | ±0.25pF | GRM0222C1H8R5CA03# | |
| | | | | ±0.5pF | GRM0222C1H8R5DA03# | |
| | | | 8.6pF | ±0.05pF | GRM0222C1H8R6WA03# | |
| | | | | ±0.1pF | GRM0222C1H8R6BA03# | |
| | | | | ±0.25pF | GRM0222C1H8R6CA03# | |
| | | | | ±0.5pF | GRM0222C1H8R6DA03# | |
| | | | 8.7pF | ±0.05pF | GRM0222C1H8R7WA03# | |
| | | | | ±0.1pF | GRM0222C1H8R7BA03# | |
| | | | | ±0.25pF | GRM0222C1H8R7CA03# | |
| | | | | ±0.5pF | GRM0222C1H8R7DA03# | |
| | | | 8.8pF | ±0.05pF | GRM0222C1H8R8WA03# | |
| | | | | ±0.1pF | GRM0222C1H8R8BA03# | |
| | | | | ±0.25pF | GRM0222C1H8R8CA03# | |
| | | | | ±0.5pF | GRM0222C1H8R8DA03# | |
| | | | 8.9pF | ±0.05pF | GRM0222C1H8R9WA03# | |
| | | | | ±0.1pF | GRM0222C1H8R9BA03# | |
| | | | | ±0.25pF | GRM0222C1H8R9CA03# | |
| | | | | ±0.5pF | GRM0222C1H8R9DA03# | |
| | | | 9.0pF | ±0.05pF | GRM0222C1H9R0WA03# | |
| | | | | ±0.1pF | GRM0222C1H9R0BA03# | |
| | | | | ±0.25pF | GRM0222C1H9R0CA03# | |
| | | | | ±0.5pF | GRM0222C1H9R0DA03# | |
| | | | 9.1pF | ±0.05pF | GRM0222C1H9R1WA03# | |
| | | | | ±0.1pF | GRM0222C1H9R1BA03# | |
| | | | | ±0.25pF | GRM0222C1H9R1CA03# | |
| | | | | ±0.5pF | GRM0222C1H9R1DA03# | |
| | | | 9.2pF | ±0.05pF | GRM0222C1H9R2WA03# | |
| | | | | ±0.1pF | GRM0222C1H9R2BA03# | |
| | | | | ±0.25pF | GRM0222C1H9R2CA03# | |
| | | | | ±0.5pF | GRM0222C1H9R2DA03# | |
| | | | 9.3pF | ±0.05pF | GRM0222C1H9R3WA03# | |
| | | | | ±0.1pF | GRM0222C1H9R3BA03# | |
| | | | | ±0.25pF | GRM0222C1H9R3CA03# | |
| | | | | ±0.5pF | GRM0222C1H9R3DA03# | |
| | | | 9.4pF | ±0.05pF | GRM0222C1H9R4WA03# | |
| | | | | ±0.1pF | GRM0222C1H9R4BA03# | |
| | | | | ±0.25pF | GRM0222C1H9R4CA03# | |
| | | | | ±0.5pF | GRM0222C1H9R4DA03# | |
| | | | 9.5pF | ±0.05pF | GRM0222C1H9R5WA03# | |
| | | | | ±0.1pF | GRM0222C1H9R5BA03# | |
| | | | | ±0.25pF | GRM0222C1H9R5CA03# | |
| | | | | ±0.5pF | GRM0222C1H9R5DA03# | |
| | | | 9.6pF | ±0.05pF | GRM0222C1H9R6WA03# | |
| | | | | ±0.1pF | GRM0222C1H9R6BA03# | |
| | | | | ±0.25pF | GRM0222C1H9R6CA03# | |
| | | | | ±0.5pF | GRM0222C1H9R6DA03# | |
| | | | 9.7pF | ±0.05pF | GRM0222C1H9R7WA03# | |
| | | | | ±0.1pF | GRM0222C1H9R7BA03# | |
| | | | | ±0.25pF | GRM0222C1H9R7CA03# | |
| | | | | ±0.5pF | GRM0222C1H9R7DA03# | |
| | | | 9.8pF | ±0.05pF | GRM0222C1H9R8WA03# | |
| | | | | ±0.1pF | GRM0222C1H9R8BA03# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 50Vdc | CH | 9.8pF | ±0.25pF | GRM0222C1H9R8CA03# | |
| | | | | ±0.5pF | GRM0222C1H9R8DA03# | |
| | | | 9.9pF | ±0.05pF | GRM0222C1H9R9WA03# | |
| | | | | ±0.1pF | GRM0222C1H9R9BA03# | |
| | | | | ±0.25pF | GRM0222C1H9R9CA03# | |
| | | | | ±0.5pF | GRM0222C1H9R9DA03# | |
| | | | 10pF | ±2% | GRM0222C1H100GA03# | |
| | | | | ±5% | GRM0222C1H100JA03# | |
| | | | 11pF | ±2% | GRM0222C1H110GA03# | |
| | | | | ±5% | GRM0222C1H110JA03# | |
| | | | 12pF | ±2% | GRM0222C1H120GA03# | |
| | | | | ±5% | GRM0222C1H120JA03# | |
| | | | 13pF | ±2% | GRM0222C1H130GA03# | |
| | | | | ±5% | GRM0222C1H130JA03# | |
| | | | 15pF | ±2% | GRM0222C1H150GA03# | |
| | | | | ±5% | GRM0222C1H150JA03# | |
| | | | 16pF | ±2% | GRM0222C1H160GA03# | |
| | | | | ±5% | GRM0222C1H160JA03# | |
| | | | 17pF | ±5% | GRM0222C1H170JA02# | |
| | | | 18pF | ±5% | GRM0222C1H180JA02# | |
| | | | 19pF | ±5% | GRM0222C1H190JA02# | |
| | | | 20pF | ±5% | GRM0222C1H200JA02# | |
| | | | 21pF | ±5% | GRM0222C1H210JA02# | |
| | | | 22pF | ±5% | GRM0222C1H220JA02# | |
| | | | 23pF | ±5% | GRM0222C1H230JA02# | |
| | | | 24pF | ±5% | GRM0222C1H240JA02# | |
| | | | 27pF | ±5% | GRM0222C1H270JA02# | |
| | | | 30pF | ±5% | GRM0222C1H300JA02# | |
| | | | 33pF | ±5% | GRM0222C1H330JA02# | |
| | | | 36pF | ±5% | GRM0222C1H360JA02# | |
| | | | 39pF | ±5% | GRM0222C1H390JA02# | |
| | | | 43pF | ±5% | GRM0222C1H430JA02# | |
| | | | 47pF | ±5% | GRM0222C1H470JA02# | |
| | | | 51pF | ±5% | GRM0222C1H510JA02# | |
| | | | 56pF | ±5% | GRM0222C1H560JA02# | |
| | | | 62pF | ±5% | GRM0222C1H620JA02# | |
| | | | 68pF | ±5% | GRM0222C1H680JA02# | |
| | | | 75pF | ±5% | GRM0222C1H750JA02# | |
| | | | 82pF | ±5% | GRM0222C1H820JA02# | |
| | | | 91pF | ±5% | GRM0222C1H910JA02# | |
| | | | 100pF | ±5% | GRM0222C1H101JA02# | |
| | 25Vdc | C0G | 120pF | ±5% | GRM0225C1E121JA02# | |
| | | | 150pF | ±5% | GRM0225C1E151JA02# | |
| | | | 180pF | ±5% | GRM0225C1E181JA02# | |
| | | | 220pF | ±5% | GRM0225C1E221JA02# | |
| | | CH | 120pF | ±5% | GRM0222C1E121JA02# | |
| | | | 150pF | ±5% | GRM0222C1E151JA02# | |
| | | | 180pF | ±5% | GRM0222C1E181JA02# | |
| | | | 220pF | ±5% | GRM0222C1E221JA02# | |
| | 16Vdc | C0G | 120pF | ±5% | GRM0225C1C121JA02# | |
| | | | 150pF | ±5% | GRM0225C1C151JA02# | |
| | | | 180pF | ±5% | GRM0225C1C181JA02# | |
| | | | 220pF | ±5% | GRM0225C1C221JA02# | |
| | | CH | 120pF | ±5% | GRM0222C1C121JA02# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

## (→ 0.4×0.2mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 16Vdc | CH | 150pF | ±5% | GRM0222C1C151JA02# | |
| | | | 180pF | ±5% | GRM0222C1C181JA02# | |
| | | | 220pF | ±5% | GRM0222C1C221JA02# | |

## 0.6×0.3mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 100Vdc | C0G | 0.10pF | ±0.05pF | GRM0335C2AR10WA01# | |
| | | | 0.20pF | ±0.05pF | GRM0335C2AR20WA01# | |
| | | | | ±0.1pF | GRM0335C2AR20BA01# | |
| | | | 0.30pF | ±0.05pF | GRM0335C2AR30WA01# | |
| | | | | ±0.1pF | GRM0335C2AR30BA01# | |
| | | | 0.40pF | ±0.05pF | GRM0335C2AR40WA01# | |
| | | | | ±0.1pF | GRM0335C2AR40BA01# | |
| | | | 0.50pF | ±0.05pF | GRM0335C2AR50WA01# | |
| | | | | ±0.1pF | GRM0335C2AR50BA01# | |
| | | | 0.60pF | ±0.05pF | GRM0335C2AR60WA01# | |
| | | | | ±0.1pF | GRM0335C2AR60BA01# | |
| | | | 0.70pF | ±0.05pF | GRM0335C2AR70WA01# | |
| | | | | ±0.1pF | GRM0335C2AR70BA01# | |
| | | | 0.80pF | ±0.05pF | GRM0335C2AR80WA01# | |
| | | | | ±0.1pF | GRM0335C2AR80BA01# | |
| | | | 0.90pF | ±0.05pF | GRM0335C2AR90WA01# | |
| | | | | ±0.1pF | GRM0335C2AR90BA01# | |
| | | | 1.0pF | ±0.05pF | GRM0335C2A1R0WA01# | |
| | | | | ±0.1pF | GRM0335C2A1R0BA01# | |
| | | | | ±0.25pF | GRM0335C2A1R0CA01# | |
| | | | 1.1pF | ±0.05pF | GRM0335C2A1R1WA01# | |
| | | | | ±0.1pF | GRM0335C2A1R1BA01# | |
| | | | | ±0.25pF | GRM0335C2A1R1CA01# | |
| | | | 1.2pF | ±0.05pF | GRM0335C2A1R2WA01# | |
| | | | | ±0.1pF | GRM0335C2A1R2BA01# | |
| | | | | ±0.25pF | GRM0335C2A1R2CA01# | |
| | | | 1.3pF | ±0.05pF | GRM0335C2A1R3WA01# | |
| | | | | ±0.1pF | GRM0335C2A1R3BA01# | |
| | | | | ±0.25pF | GRM0335C2A1R3CA01# | |
| | | | 1.4pF | ±0.05pF | GRM0335C2A1R4WA01# | |
| | | | | ±0.1pF | GRM0335C2A1R4BA01# | |
| | | | | ±0.25pF | GRM0335C2A1R4CA01# | |
| | | | 1.5pF | ±0.05pF | GRM0335C2A1R5WA01# | |
| | | | | ±0.1pF | GRM0335C2A1R5BA01# | |
| | | | | ±0.25pF | GRM0335C2A1R5CA01# | |
| | | | 1.6pF | ±0.05pF | GRM0335C2A1R6WA01# | |
| | | | | ±0.1pF | GRM0335C2A1R6BA01# | |
| | | | | ±0.25pF | GRM0335C2A1R6CA01# | |
| | | | 1.7pF | ±0.05pF | GRM0335C2A1R7WA01# | |
| | | | | ±0.1pF | GRM0335C2A1R7BA01# | |
| | | | | ±0.25pF | GRM0335C2A1R7CA01# | |
| | | | 1.8pF | ±0.05pF | GRM0335C2A1R8WA01# | |
| | | | | ±0.1pF | GRM0335C2A1R8BA01# | |
| | | | | ±0.25pF | GRM0335C2A1R8CA01# | |
| | | | 1.9pF | ±0.05pF | GRM0335C2A1R9WA01# | |
| | | | | ±0.1pF | GRM0335C2A1R9BA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 100Vdc | C0G | 1.9pF | ±0.25pF | GRM0335C2A1R9CA01# | |
| | | | 2.0pF | ±0.05pF | GRM0335C2A2R0WA01# | |
| | | | | ±0.1pF | GRM0335C2A2R0BA01# | |
| | | | | ±0.25pF | GRM0335C2A2R0CA01# | |
| | | | 2.1pF | ±0.05pF | GRM0335C2A2R1WA01# | |
| | | | | ±0.1pF | GRM0335C2A2R1BA01# | |
| | | | | ±0.25pF | GRM0335C2A2R1CA01# | |
| | | | 2.2pF | ±0.05pF | GRM0335C2A2R2WA01# | |
| | | | | ±0.1pF | GRM0335C2A2R2BA01# | |
| | | | | ±0.25pF | GRM0335C2A2R2CA01# | |
| | | | 2.3pF | ±0.05pF | GRM0335C2A2R3WA01# | |
| | | | | ±0.1pF | GRM0335C2A2R3BA01# | |
| | | | | ±0.25pF | GRM0335C2A2R3CA01# | |
| | | | 2.4pF | ±0.05pF | GRM0335C2A2R4WA01# | |
| | | | | ±0.1pF | GRM0335C2A2R4BA01# | |
| | | | | ±0.25pF | GRM0335C2A2R4CA01# | |
| | | | 2.5pF | ±0.05pF | GRM0335C2A2R5WA01# | |
| | | | | ±0.1pF | GRM0335C2A2R5BA01# | |
| | | | | ±0.25pF | GRM0335C2A2R5CA01# | |
| | | | 2.6pF | ±0.05pF | GRM0335C2A2R6WA01# | |
| | | | | ±0.1pF | GRM0335C2A2R6BA01# | |
| | | | | ±0.25pF | GRM0335C2A2R6CA01# | |
| | | | 2.7pF | ±0.05pF | GRM0335C2A2R7WA01# | |
| | | | | ±0.1pF | GRM0335C2A2R7BA01# | |
| | | | | ±0.25pF | GRM0335C2A2R7CA01# | |
| | | | 2.8pF | ±0.05pF | GRM0335C2A2R8WA01# | |
| | | | | ±0.1pF | GRM0335C2A2R8BA01# | |
| | | | | ±0.25pF | GRM0335C2A2R8CA01# | |
| | | | 2.9pF | ±0.05pF | GRM0335C2A2R9WA01# | |
| | | | | ±0.1pF | GRM0335C2A2R9BA01# | |
| | | | | ±0.25pF | GRM0335C2A2R9CA01# | |
| | | | 3.0pF | ±0.05pF | GRM0335C2A3R0WA01# | |
| | | | | ±0.1pF | GRM0335C2A3R0BA01# | |
| | | | | ±0.25pF | GRM0335C2A3R0CA01# | |
| | | | 3.1pF | ±0.05pF | GRM0335C2A3R1WA01# | |
| | | | | ±0.1pF | GRM0335C2A3R1BA01# | |
| | | | | ±0.25pF | GRM0335C2A3R1CA01# | |
| | | | 3.2pF | ±0.05pF | GRM0335C2A3R2WA01# | |
| | | | | ±0.1pF | GRM0335C2A3R2BA01# | |
| | | | | ±0.25pF | GRM0335C2A3R2CA01# | |
| | | | 3.3pF | ±0.05pF | GRM0335C2A3R3WA01# | |
| | | | | ±0.1pF | GRM0335C2A3R3BA01# | |
| | | | | ±0.25pF | GRM0335C2A3R3CA01# | |
| | | | 3.4pF | ±0.05pF | GRM0335C2A3R4WA01# | |
| | | | | ±0.1pF | GRM0335C2A3R4BA01# | |
| | | | | ±0.25pF | GRM0335C2A3R4CA01# | |
| | | | 3.5pF | ±0.05pF | GRM0335C2A3R5WA01# | |
| | | | | ±0.1pF | GRM0335C2A3R5BA01# | |
| | | | | ±0.25pF | GRM0335C2A3R5CA01# | |
| | | | 3.6pF | ±0.05pF | GRM0335C2A3R6WA01# | |
| | | | | ±0.1pF | GRM0335C2A3R6BA01# | |
| | | | | ±0.25pF | GRM0335C2A3R6CA01# | |
| | | | 3.7pF | ±0.05pF | GRM0335C2A3R7WA01# | |
| | | | | ±0.1pF | GRM0335C2A3R7BA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 100Vdc | C0G | 3.7pF | ±0.25pF | GRM0335C2A3R7CA01# | |
| | | | 3.8pF | ±0.05pF | GRM0335C2A3R8WA01# | |
| | | | | ±0.1pF | GRM0335C2A3R8BA01# | |
| | | | | ±0.25pF | GRM0335C2A3R8CA01# | |
| | | | 3.9pF | ±0.05pF | GRM0335C2A3R9WA01# | |
| | | | | ±0.1pF | GRM0335C2A3R9BA01# | |
| | | | | ±0.25pF | GRM0335C2A3R9CA01# | |
| | | | 4.0pF | ±0.05pF | GRM0335C2A4R0WA01# | |
| | | | | ±0.1pF | GRM0335C2A4R0BA01# | |
| | | | | ±0.25pF | GRM0335C2A4R0CA01# | |
| | | | 4.1pF | ±0.05pF | GRM0335C2A4R1WA01# | |
| | | | | ±0.1pF | GRM0335C2A4R1BA01# | |
| | | | | ±0.25pF | GRM0335C2A4R1CA01# | |
| | | | 4.2pF | ±0.05pF | GRM0335C2A4R2WA01# | |
| | | | | ±0.1pF | GRM0335C2A4R2BA01# | |
| | | | | ±0.25pF | GRM0335C2A4R2CA01# | |
| | | | 4.3pF | ±0.05pF | GRM0335C2A4R3WA01# | |
| | | | | ±0.1pF | GRM0335C2A4R3BA01# | |
| | | | | ±0.25pF | GRM0335C2A4R3CA01# | |
| | | | 4.4pF | ±0.05pF | GRM0335C2A4R4WA01# | |
| | | | | ±0.1pF | GRM0335C2A4R4BA01# | |
| | | | | ±0.25pF | GRM0335C2A4R4CA01# | |
| | | | 4.5pF | ±0.05pF | GRM0335C2A4R5WA01# | |
| | | | | ±0.1pF | GRM0335C2A4R5BA01# | |
| | | | | ±0.25pF | GRM0335C2A4R5CA01# | |
| | | | 4.6pF | ±0.05pF | GRM0335C2A4R6WA01# | |
| | | | | ±0.1pF | GRM0335C2A4R6BA01# | |
| | | | | ±0.25pF | GRM0335C2A4R6CA01# | |
| | | | 4.7pF | ±0.05pF | GRM0335C2A4R7WA01# | |
| | | | | ±0.1pF | GRM0335C2A4R7BA01# | |
| | | | | ±0.25pF | GRM0335C2A4R7CA01# | |
| | | | 4.8pF | ±0.05pF | GRM0335C2A4R8WA01# | |
| | | | | ±0.1pF | GRM0335C2A4R8BA01# | |
| | | | | ±0.25pF | GRM0335C2A4R8CA01# | |
| | | | 4.9pF | ±0.05pF | GRM0335C2A4R9WA01# | |
| | | | | ±0.1pF | GRM0335C2A4R9BA01# | |
| | | | | ±0.25pF | GRM0335C2A4R9CA01# | |
| | | | 5.0pF | ±0.05pF | GRM0335C2A5R0WA01# | |
| | | | | ±0.1pF | GRM0335C2A5R0BA01# | |
| | | | | ±0.25pF | GRM0335C2A5R0CA01# | |
| | | | 5.1pF | ±0.05pF | GRM0335C2A5R1WA01# | |
| | | | | ±0.1pF | GRM0335C2A5R1BA01# | |
| | | | | ±0.25pF | GRM0335C2A5R1CA01# | |
| | | | | ±0.5pF | GRM0335C2A5R1DA01# | |
| | | | 5.2pF | ±0.05pF | GRM0335C2A5R2WA01# | |
| | | | | ±0.1pF | GRM0335C2A5R2BA01# | |
| | | | | ±0.25pF | GRM0335C2A5R2CA01# | |
| | | | | ±0.5pF | GRM0335C2A5R2DA01# | |
| | | | 5.3pF | ±0.05pF | GRM0335C2A5R3WA01# | |
| | | | | ±0.1pF | GRM0335C2A5R3BA01# | |
| | | | | ±0.25pF | GRM0335C2A5R3CA01# | |
| | | | | ±0.5pF | GRM0335C2A5R3DA01# | |
| | | | 5.4pF | ±0.05pF | GRM0335C2A5R4WA01# | |
| | | | | ±0.1pF | GRM0335C2A5R4BA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 100Vdc | C0G | 5.4pF | ±0.25pF | GRM0335C2A5R4CA01# | |
| | | | | ±0.5pF | GRM0335C2A5R4DA01# | |
| | | | 5.5pF | ±0.05pF | GRM0335C2A5R5WA01# | |
| | | | | ±0.1pF | GRM0335C2A5R5BA01# | |
| | | | | ±0.25pF | GRM0335C2A5R5CA01# | |
| | | | | ±0.5pF | GRM0335C2A5R5DA01# | |
| | | | 5.6pF | ±0.05pF | GRM0335C2A5R6WA01# | |
| | | | | ±0.1pF | GRM0335C2A5R6BA01# | |
| | | | | ±0.25pF | GRM0335C2A5R6CA01# | |
| | | | | ±0.5pF | GRM0335C2A5R6DA01# | |
| | | | 5.7pF | ±0.05pF | GRM0335C2A5R7WA01# | |
| | | | | ±0.1pF | GRM0335C2A5R7BA01# | |
| | | | | ±0.25pF | GRM0335C2A5R7CA01# | |
| | | | | ±0.5pF | GRM0335C2A5R7DA01# | |
| | | | 5.8pF | ±0.05pF | GRM0335C2A5R8WA01# | |
| | | | | ±0.1pF | GRM0335C2A5R8BA01# | |
| | | | | ±0.25pF | GRM0335C2A5R8CA01# | |
| | | | | ±0.5pF | GRM0335C2A5R8DA01# | |
| | | | 5.9pF | ±0.05pF | GRM0335C2A5R9WA01# | |
| | | | | ±0.1pF | GRM0335C2A5R9BA01# | |
| | | | | ±0.25pF | GRM0335C2A5R9CA01# | |
| | | | | ±0.5pF | GRM0335C2A5R9DA01# | |
| | | | 6.0pF | ±0.05pF | GRM0335C2A6R0WA01# | |
| | | | | ±0.1pF | GRM0335C2A6R0BA01# | |
| | | | | ±0.25pF | GRM0335C2A6R0CA01# | |
| | | | | ±0.5pF | GRM0335C2A6R0DA01# | |
| | | | 6.1pF | ±0.05pF | GRM0335C2A6R1WA01# | |
| | | | | ±0.1pF | GRM0335C2A6R1BA01# | |
| | | | | ±0.25pF | GRM0335C2A6R1CA01# | |
| | | | | ±0.5pF | GRM0335C2A6R1DA01# | |
| | | | 6.2pF | ±0.05pF | GRM0335C2A6R2WA01# | |
| | | | | ±0.1pF | GRM0335C2A6R2BA01# | |
| | | | | ±0.25pF | GRM0335C2A6R2CA01# | |
| | | | | ±0.5pF | GRM0335C2A6R2DA01# | |
| | | | 6.3pF | ±0.05pF | GRM0335C2A6R3WA01# | |
| | | | | ±0.1pF | GRM0335C2A6R3BA01# | |
| | | | | ±0.25pF | GRM0335C2A6R3CA01# | |
| | | | | ±0.5pF | GRM0335C2A6R3DA01# | |
| | | | 6.4pF | ±0.05pF | GRM0335C2A6R4WA01# | |
| | | | | ±0.1pF | GRM0335C2A6R4BA01# | |
| | | | | ±0.25pF | GRM0335C2A6R4CA01# | |
| | | | | ±0.5pF | GRM0335C2A6R4DA01# | |
| | | | 6.5pF | ±0.05pF | GRM0335C2A6R5WA01# | |
| | | | | ±0.1pF | GRM0335C2A6R5BA01# | |
| | | | | ±0.25pF | GRM0335C2A6R5CA01# | |
| | | | | ±0.5pF | GRM0335C2A6R5DA01# | |
| | | | 6.6pF | ±0.05pF | GRM0335C2A6R6WA01# | |
| | | | | ±0.1pF | GRM0335C2A6R6BA01# | |
| | | | | ±0.25pF | GRM0335C2A6R6CA01# | |
| | | | | ±0.5pF | GRM0335C2A6R6DA01# | |
| | | | 6.7pF | ±0.05pF | GRM0335C2A6R7WA01# | |
| | | | | ±0.1pF | GRM0335C2A6R7BA01# | |
| | | | | ±0.25pF | GRM0335C2A6R7CA01# | |
| | | | | ±0.5pF | GRM0335C2A6R7DA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 100Vdc | C0G | 6.8pF | ±0.05pF | **GRM0335C2A6R8WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A6R8BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A6R8CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A6R8DA01#** | |
| | | | 6.9pF | ±0.05pF | **GRM0335C2A6R9WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A6R9BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A6R9CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A6R9DA01#** | |
| | | | 7.0pF | ±0.05pF | **GRM0335C2A7R0WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A7R0BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A7R0CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A7R0DA01#** | |
| | | | 7.1pF | ±0.05pF | **GRM0335C2A7R1WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A7R1BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A7R1CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A7R1DA01#** | |
| | | | 7.2pF | ±0.05pF | **GRM0335C2A7R2WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A7R2BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A7R2CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A7R2DA01#** | |
| | | | 7.3pF | ±0.05pF | **GRM0335C2A7R3WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A7R3BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A7R3CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A7R3DA01#** | |
| | | | 7.4pF | ±0.05pF | **GRM0335C2A7R4WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A7R4BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A7R4CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A7R4DA01#** | |
| | | | 7.5pF | ±0.05pF | **GRM0335C2A7R5WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A7R5BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A7R5CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A7R5DA01#** | |
| | | | 7.6pF | ±0.05pF | **GRM0335C2A7R6WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A7R6BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A7R6CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A7R6DA01#** | |
| | | | 7.7pF | ±0.05pF | **GRM0335C2A7R7WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A7R7BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A7R7CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A7R7DA01#** | |
| | | | 7.8pF | ±0.05pF | **GRM0335C2A7R8WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A7R8BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A7R8CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A7R8DA01#** | |
| | | | 7.9pF | ±0.05pF | **GRM0335C2A7R9WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A7R9BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A7R9CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A7R9DA01#** | |
| | | | 8.0pF | ±0.05pF | **GRM0335C2A8R0WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A8R0BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A8R0CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A8R0DA01#** | |
| | | | 8.1pF | ±0.05pF | **GRM0335C2A8R1WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A8R1BA01#** | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 100Vdc | C0G | 8.1pF | ±0.25pF | **GRM0335C2A8R1CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A8R1DA01#** | |
| | | | 8.2pF | ±0.05pF | **GRM0335C2A8R2WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A8R2BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A8R2CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A8R2DA01#** | |
| | | | 8.3pF | ±0.05pF | **GRM0335C2A8R3WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A8R3BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A8R3CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A8R3DA01#** | |
| | | | 8.4pF | ±0.05pF | **GRM0335C2A8R4WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A8R4BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A8R4CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A8R4DA01#** | |
| | | | 8.5pF | ±0.05pF | **GRM0335C2A8R5WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A8R5BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A8R5CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A8R5DA01#** | |
| | | | 8.6pF | ±0.05pF | **GRM0335C2A8R6WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A8R6BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A8R6CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A8R6DA01#** | |
| | | | 8.7pF | ±0.05pF | **GRM0335C2A8R7WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A8R7BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A8R7CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A8R7DA01#** | |
| | | | 8.8pF | ±0.05pF | **GRM0335C2A8R8WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A8R8BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A8R8CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A8R8DA01#** | |
| | | | 8.9pF | ±0.05pF | **GRM0335C2A8R9WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A8R9BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A8R9CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A8R9DA01#** | |
| | | | 9.0pF | ±0.05pF | **GRM0335C2A9R0WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A9R0BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A9R0CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A9R0DA01#** | |
| | | | 9.1pF | ±0.05pF | **GRM0335C2A9R1WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A9R1BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A9R1CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A9R1DA01#** | |
| | | | 9.2pF | ±0.05pF | **GRM0335C2A9R2WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A9R2BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A9R2CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A9R2DA01#** | |
| | | | 9.3pF | ±0.05pF | **GRM0335C2A9R3WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A9R3BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A9R3CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A9R3DA01#** | |
| | | | 9.4pF | ±0.05pF | **GRM0335C2A9R4WA01#** | |
| | | | | ±0.1pF | **GRM0335C2A9R4BA01#** | |
| | | | | ±0.25pF | **GRM0335C2A9R4CA01#** | |
| | | | | ±0.5pF | **GRM0335C2A9R4DA01#** | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 100Vdc | C0G | 9.5pF | ±0.05pF | GRM0335C2A9R5WA01# | |
| | | | | ±0.1pF | GRM0335C2A9R5BA01# | |
| | | | | ±0.25pF | GRM0335C2A9R5CA01# | |
| | | | | ±0.5pF | GRM0335C2A9R5DA01# | |
| | | | 9.6pF | ±0.05pF | GRM0335C2A9R6WA01# | |
| | | | | ±0.1pF | GRM0335C2A9R6BA01# | |
| | | | | ±0.25pF | GRM0335C2A9R6CA01# | |
| | | | | ±0.5pF | GRM0335C2A9R6DA01# | |
| | | | 9.7pF | ±0.05pF | GRM0335C2A9R7WA01# | |
| | | | | ±0.1pF | GRM0335C2A9R7BA01# | |
| | | | | ±0.25pF | GRM0335C2A9R7CA01# | |
| | | | | ±0.5pF | GRM0335C2A9R7DA01# | |
| | | | 9.8pF | ±0.05pF | GRM0335C2A9R8WA01# | |
| | | | | ±0.1pF | GRM0335C2A9R8BA01# | |
| | | | | ±0.25pF | GRM0335C2A9R8CA01# | |
| | | | | ±0.5pF | GRM0335C2A9R8DA01# | |
| | | | 9.9pF | ±0.05pF | GRM0335C2A9R9WA01# | |
| | | | | ±0.1pF | GRM0335C2A9R9BA01# | |
| | | | | ±0.25pF | GRM0335C2A9R9CA01# | |
| | | | | ±0.5pF | GRM0335C2A9R9DA01# | |
| | | | 10pF | ±2% | GRM0335C2A100GA01# | |
| | | | | ±5% | GRM0335C2A100JA01# | |
| | | | 12pF | ±2% | GRM0335C2A120GA01# | |
| | | | | ±5% | GRM0335C2A120JA01# | |
| | | | 15pF | ±2% | GRM0335C2A150GA01# | |
| | | | | ±5% | GRM0335C2A150JA01# | |
| | | CK | 0.10pF | ±0.05pF | GRM0334C2AR10WA01# | |
| | | | 0.20pF | ±0.05pF | GRM0334C2AR20WA01# | |
| | | | | ±0.1pF | GRM0334C2AR20BA01# | |
| | | | 0.30pF | ±0.05pF | GRM0334C2AR30WA01# | |
| | | | | ±0.1pF | GRM0334C2AR30BA01# | |
| | | | 0.40pF | ±0.05pF | GRM0334C2AR40WA01# | |
| | | | | ±0.1pF | GRM0334C2AR40BA01# | |
| | | | 0.50pF | ±0.05pF | GRM0334C2AR50WA01# | |
| | | | | ±0.1pF | GRM0334C2AR50BA01# | |
| | | | 0.60pF | ±0.05pF | GRM0334C2AR60WA01# | |
| | | | | ±0.1pF | GRM0334C2AR60BA01# | |
| | | | 0.70pF | ±0.05pF | GRM0334C2AR70WA01# | |
| | | | | ±0.1pF | GRM0334C2AR70BA01# | |
| | | | 0.80pF | ±0.05pF | GRM0334C2AR80WA01# | |
| | | | | ±0.1pF | GRM0334C2AR80BA01# | |
| | | | 0.90pF | ±0.05pF | GRM0334C2AR90WA01# | |
| | | | | ±0.1pF | GRM0334C2AR90BA01# | |
| | | | 1.0pF | ±0.05pF | GRM0334C2A1R0WA01# | |
| | | | | ±0.1pF | GRM0334C2A1R0BA01# | |
| | | | | ±0.25pF | GRM0334C2A1R0CA01# | |
| | | | 1.1pF | ±0.05pF | GRM0334C2A1R1WA01# | |
| | | | | ±0.1pF | GRM0334C2A1R1BA01# | |
| | | | | ±0.25pF | GRM0334C2A1R1CA01# | |
| | | | 1.2pF | ±0.05pF | GRM0334C2A1R2WA01# | |
| | | | | ±0.1pF | GRM0334C2A1R2BA01# | |
| | | | | ±0.25pF | GRM0334C2A1R2CA01# | |
| | | | 1.3pF | ±0.05pF | GRM0334C2A1R3WA01# | |
| | | | | ±0.1pF | GRM0334C2A1R3BA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 100Vdc | CK | 1.3pF | ±0.25pF | GRM0334C2A1R3CA01# | |
| | | | 1.4pF | ±0.05pF | GRM0334C2A1R4WA01# | |
| | | | | ±0.1pF | GRM0334C2A1R4BA01# | |
| | | | | ±0.25pF | GRM0334C2A1R4CA01# | |
| | | | 1.5pF | ±0.05pF | GRM0334C2A1R5WA01# | |
| | | | | ±0.1pF | GRM0334C2A1R5BA01# | |
| | | | | ±0.25pF | GRM0334C2A1R5CA01# | |
| | | | 1.6pF | ±0.05pF | GRM0334C2A1R6WA01# | |
| | | | | ±0.1pF | GRM0334C2A1R6BA01# | |
| | | | | ±0.25pF | GRM0334C2A1R6CA01# | |
| | | | 1.7pF | ±0.05pF | GRM0334C2A1R7WA01# | |
| | | | | ±0.1pF | GRM0334C2A1R7BA01# | |
| | | | | ±0.25pF | GRM0334C2A1R7CA01# | |
| | | | 1.8pF | ±0.05pF | GRM0334C2A1R8WA01# | |
| | | | | ±0.1pF | GRM0334C2A1R8BA01# | |
| | | | | ±0.25pF | GRM0334C2A1R8CA01# | |
| | | | 1.9pF | ±0.05pF | GRM0334C2A1R9WA01# | |
| | | | | ±0.1pF | GRM0334C2A1R9BA01# | |
| | | | | ±0.25pF | GRM0334C2A1R9CA01# | |
| | | | 2.0pF | ±0.05pF | GRM0334C2A2R0WA01# | |
| | | | | ±0.1pF | GRM0334C2A2R0BA01# | |
| | | | | ±0.25pF | GRM0334C2A2R0CA01# | |
| | | CJ | 2.1pF | ±0.05pF | GRM0333C2A2R1WA01# | |
| | | | | ±0.1pF | GRM0333C2A2R1BA01# | |
| | | | | ±0.25pF | GRM0333C2A2R1CA01# | |
| | | | 2.2pF | ±0.05pF | GRM0333C2A2R2WA01# | |
| | | | | ±0.1pF | GRM0333C2A2R2BA01# | |
| | | | | ±0.25pF | GRM0333C2A2R2CA01# | |
| | | | 2.3pF | ±0.05pF | GRM0333C2A2R3WA01# | |
| | | | | ±0.1pF | GRM0333C2A2R3BA01# | |
| | | | | ±0.25pF | GRM0333C2A2R3CA01# | |
| | | | 2.4pF | ±0.05pF | GRM0333C2A2R4WA01# | |
| | | | | ±0.1pF | GRM0333C2A2R4BA01# | |
| | | | | ±0.25pF | GRM0333C2A2R4CA01# | |
| | | | 2.5pF | ±0.05pF | GRM0333C2A2R5WA01# | |
| | | | | ±0.1pF | GRM0333C2A2R5BA01# | |
| | | | | ±0.25pF | GRM0333C2A2R5CA01# | |
| | | | 2.6pF | ±0.05pF | GRM0333C2A2R6WA01# | |
| | | | | ±0.1pF | GRM0333C2A2R6BA01# | |
| | | | | ±0.25pF | GRM0333C2A2R6CA01# | |
| | | | 2.7pF | ±0.05pF | GRM0333C2A2R7WA01# | |
| | | | | ±0.1pF | GRM0333C2A2R7BA01# | |
| | | | | ±0.25pF | GRM0333C2A2R7CA01# | |
| | | | 2.8pF | ±0.05pF | GRM0333C2A2R8WA01# | |
| | | | | ±0.1pF | GRM0333C2A2R8BA01# | |
| | | | | ±0.25pF | GRM0333C2A2R8CA01# | |
| | | | 2.9pF | ±0.05pF | GRM0333C2A2R9WA01# | |
| | | | | ±0.1pF | GRM0333C2A2R9BA01# | |
| | | | | ±0.25pF | GRM0333C2A2R9CA01# | |
| | | | 3.0pF | ±0.05pF | GRM0333C2A3R0WA01# | |
| | | | | ±0.1pF | GRM0333C2A3R0BA01# | |
| | | | | ±0.25pF | GRM0333C2A3R0CA01# | |
| | | | 3.1pF | ±0.05pF | GRM0333C2A3R1WA01# | |
| | | | | ±0.1pF | GRM0333C2A3R1BA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 100Vdc | CJ | 3.1pF | ±0.25pF | GRM0333C2A3R1CA01# | |
| | | | 3.2pF | ±0.05pF | GRM0333C2A3R2WA01# | |
| | | | | ±0.1pF | GRM0333C2A3R2BA01# | |
| | | | | ±0.25pF | GRM0333C2A3R2CA01# | |
| | | | 3.3pF | ±0.05pF | GRM0333C2A3R3WA01# | |
| | | | | ±0.1pF | GRM0333C2A3R3BA01# | |
| | | | | ±0.25pF | GRM0333C2A3R3CA01# | |
| | | | 3.4pF | ±0.05pF | GRM0333C2A3R4WA01# | |
| | | | | ±0.1pF | GRM0333C2A3R4BA01# | |
| | | | | ±0.25pF | GRM0333C2A3R4CA01# | |
| | | | 3.5pF | ±0.05pF | GRM0333C2A3R5WA01# | |
| | | | | ±0.1pF | GRM0333C2A3R5BA01# | |
| | | | | ±0.25pF | GRM0333C2A3R5CA01# | |
| | | | 3.6pF | ±0.05pF | GRM0333C2A3R6WA01# | |
| | | | | ±0.1pF | GRM0333C2A3R6BA01# | |
| | | | | ±0.25pF | GRM0333C2A3R6CA01# | |
| | | | 3.7pF | ±0.05pF | GRM0333C2A3R7WA01# | |
| | | | | ±0.1pF | GRM0333C2A3R7BA01# | |
| | | | | ±0.25pF | GRM0333C2A3R7CA01# | |
| | | | 3.8pF | ±0.05pF | GRM0333C2A3R8WA01# | |
| | | | | ±0.1pF | GRM0333C2A3R8BA01# | |
| | | | | ±0.25pF | GRM0333C2A3R8CA01# | |
| | | | 3.9pF | ±0.05pF | GRM0333C2A3R9WA01# | |
| | | | | ±0.1pF | GRM0333C2A3R9BA01# | |
| | | | | ±0.25pF | GRM0333C2A3R9CA01# | |
| | | CH | 4.0pF | ±0.05pF | GRM0332C2A4R0WA01# | |
| | | | | ±0.1pF | GRM0332C2A4R0BA01# | |
| | | | | ±0.25pF | GRM0332C2A4R0CA01# | |
| | | | 4.1pF | ±0.05pF | GRM0332C2A4R1WA01# | |
| | | | | ±0.1pF | GRM0332C2A4R1BA01# | |
| | | | | ±0.25pF | GRM0332C2A4R1CA01# | |
| | | | 4.2pF | ±0.05pF | GRM0332C2A4R2WA01# | |
| | | | | ±0.1pF | GRM0332C2A4R2BA01# | |
| | | | | ±0.25pF | GRM0332C2A4R2CA01# | |
| | | | 4.3pF | ±0.05pF | GRM0332C2A4R3WA01# | |
| | | | | ±0.1pF | GRM0332C2A4R3BA01# | |
| | | | | ±0.25pF | GRM0332C2A4R3CA01# | |
| | | | 4.4pF | ±0.05pF | GRM0332C2A4R4WA01# | |
| | | | | ±0.1pF | GRM0332C2A4R4BA01# | |
| | | | | ±0.25pF | GRM0332C2A4R4CA01# | |
| | | | 4.5pF | ±0.05pF | GRM0332C2A4R5WA01# | |
| | | | | ±0.1pF | GRM0332C2A4R5BA01# | |
| | | | | ±0.25pF | GRM0332C2A4R5CA01# | |
| | | | 4.6pF | ±0.05pF | GRM0332C2A4R6WA01# | |
| | | | | ±0.1pF | GRM0332C2A4R6BA01# | |
| | | | | ±0.25pF | GRM0332C2A4R6CA01# | |
| | | | 4.7pF | ±0.05pF | GRM0332C2A4R7WA01# | |
| | | | | ±0.1pF | GRM0332C2A4R7BA01# | |
| | | | | ±0.25pF | GRM0332C2A4R7CA01# | |
| | | | 4.8pF | ±0.05pF | GRM0332C2A4R8WA01# | |
| | | | | ±0.1pF | GRM0332C2A4R8BA01# | |
| | | | | ±0.25pF | GRM0332C2A4R8CA01# | |
| | | | 4.9pF | ±0.05pF | GRM0332C2A4R9WA01# | |
| | | | | ±0.1pF | GRM0332C2A4R9BA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 100Vdc | CH | 4.9pF | ±0.25pF | GRM0332C2A4R9CA01# | |
| | | | 5.0pF | ±0.05pF | GRM0332C2A5R0WA01# | |
| | | | | ±0.1pF | GRM0332C2A5R0BA01# | |
| | | | | ±0.25pF | GRM0332C2A5R0CA01# | |
| | | | 5.1pF | ±0.05pF | GRM0332C2A5R1WA01# | |
| | | | | ±0.1pF | GRM0332C2A5R1BA01# | |
| | | | | ±0.25pF | GRM0332C2A5R1CA01# | |
| | | | | ±0.5pF | GRM0332C2A5R1DA01# | |
| | | | 5.2pF | ±0.05pF | GRM0332C2A5R2WA01# | |
| | | | | ±0.1pF | GRM0332C2A5R2BA01# | |
| | | | | ±0.25pF | GRM0332C2A5R2CA01# | |
| | | | | ±0.5pF | GRM0332C2A5R2DA01# | |
| | | | 5.3pF | ±0.05pF | GRM0332C2A5R3WA01# | |
| | | | | ±0.1pF | GRM0332C2A5R3BA01# | |
| | | | | ±0.25pF | GRM0332C2A5R3CA01# | |
| | | | | ±0.5pF | GRM0332C2A5R3DA01# | |
| | | | 5.4pF | ±0.05pF | GRM0332C2A5R4WA01# | |
| | | | | ±0.1pF | GRM0332C2A5R4BA01# | |
| | | | | ±0.25pF | GRM0332C2A5R4CA01# | |
| | | | | ±0.5pF | GRM0332C2A5R4DA01# | |
| | | | 5.5pF | ±0.05pF | GRM0332C2A5R5WA01# | |
| | | | | ±0.1pF | GRM0332C2A5R5BA01# | |
| | | | | ±0.25pF | GRM0332C2A5R5CA01# | |
| | | | | ±0.5pF | GRM0332C2A5R5DA01# | |
| | | | 5.6pF | ±0.05pF | GRM0332C2A5R6WA01# | |
| | | | | ±0.1pF | GRM0332C2A5R6BA01# | |
| | | | | ±0.25pF | GRM0332C2A5R6CA01# | |
| | | | | ±0.5pF | GRM0332C2A5R6DA01# | |
| | | | 5.7pF | ±0.05pF | GRM0332C2A5R7WA01# | |
| | | | | ±0.1pF | GRM0332C2A5R7BA01# | |
| | | | | ±0.25pF | GRM0332C2A5R7CA01# | |
| | | | | ±0.5pF | GRM0332C2A5R7DA01# | |
| | | | 5.8pF | ±0.05pF | GRM0332C2A5R8WA01# | |
| | | | | ±0.1pF | GRM0332C2A5R8BA01# | |
| | | | | ±0.25pF | GRM0332C2A5R8CA01# | |
| | | | | ±0.5pF | GRM0332C2A5R8DA01# | |
| | | | 5.9pF | ±0.05pF | GRM0332C2A5R9WA01# | |
| | | | | ±0.1pF | GRM0332C2A5R9BA01# | |
| | | | | ±0.25pF | GRM0332C2A5R9CA01# | |
| | | | | ±0.5pF | GRM0332C2A5R9DA01# | |
| | | | 6.0pF | ±0.05pF | GRM0332C2A6R0WA01# | |
| | | | | ±0.1pF | GRM0332C2A6R0BA01# | |
| | | | | ±0.25pF | GRM0332C2A6R0CA01# | |
| | | | | ±0.5pF | GRM0332C2A6R0DA01# | |
| | | | 6.1pF | ±0.05pF | GRM0332C2A6R1WA01# | |
| | | | | ±0.1pF | GRM0332C2A6R1BA01# | |
| | | | | ±0.25pF | GRM0332C2A6R1CA01# | |
| | | | | ±0.5pF | GRM0332C2A6R1DA01# | |
| | | | 6.2pF | ±0.05pF | GRM0332C2A6R2WA01# | |
| | | | | ±0.1pF | GRM0332C2A6R2BA01# | |
| | | | | ±0.25pF | GRM0332C2A6R2CA01# | |
| | | | | ±0.5pF | GRM0332C2A6R2DA01# | |
| | | | 6.3pF | ±0.05pF | GRM0332C2A6R3WA01# | |
| | | | | ±0.1pF | GRM0332C2A6R3BA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 100Vdc | CH | 6.3pF | ±0.25pF | GRM0332C2A6R3CA01# | |
| | | | | ±0.5pF | GRM0332C2A6R3DA01# | |
| | | | 6.4pF | ±0.05pF | GRM0332C2A6R4WA01# | |
| | | | | ±0.1pF | GRM0332C2A6R4BA01# | |
| | | | | ±0.25pF | GRM0332C2A6R4CA01# | |
| | | | | ±0.5pF | GRM0332C2A6R4DA01# | |
| | | | 6.5pF | ±0.05pF | GRM0332C2A6R5WA01# | |
| | | | | ±0.1pF | GRM0332C2A6R5BA01# | |
| | | | | ±0.25pF | GRM0332C2A6R5CA01# | |
| | | | | ±0.5pF | GRM0332C2A6R5DA01# | |
| | | | 6.6pF | ±0.05pF | GRM0332C2A6R6WA01# | |
| | | | | ±0.1pF | GRM0332C2A6R6BA01# | |
| | | | | ±0.25pF | GRM0332C2A6R6CA01# | |
| | | | | ±0.5pF | GRM0332C2A6R6DA01# | |
| | | | 6.7pF | ±0.05pF | GRM0332C2A6R7WA01# | |
| | | | | ±0.1pF | GRM0332C2A6R7BA01# | |
| | | | | ±0.25pF | GRM0332C2A6R7CA01# | |
| | | | | ±0.5pF | GRM0332C2A6R7DA01# | |
| | | | 6.8pF | ±0.05pF | GRM0332C2A6R8WA01# | |
| | | | | ±0.1pF | GRM0332C2A6R8BA01# | |
| | | | | ±0.25pF | GRM0332C2A6R8CA01# | |
| | | | | ±0.5pF | GRM0332C2A6R8DA01# | |
| | | | 6.9pF | ±0.05pF | GRM0332C2A6R9WA01# | |
| | | | | ±0.1pF | GRM0332C2A6R9BA01# | |
| | | | | ±0.25pF | GRM0332C2A6R9CA01# | |
| | | | | ±0.5pF | GRM0332C2A6R9DA01# | |
| | | | 7.0pF | ±0.05pF | GRM0332C2A7R0WA01# | |
| | | | | ±0.1pF | GRM0332C2A7R0BA01# | |
| | | | | ±0.25pF | GRM0332C2A7R0CA01# | |
| | | | | ±0.5pF | GRM0332C2A7R0DA01# | |
| | | | 7.1pF | ±0.05pF | GRM0332C2A7R1WA01# | |
| | | | | ±0.1pF | GRM0332C2A7R1BA01# | |
| | | | | ±0.25pF | GRM0332C2A7R1CA01# | |
| | | | | ±0.5pF | GRM0332C2A7R1DA01# | |
| | | | 7.2pF | ±0.05pF | GRM0332C2A7R2WA01# | |
| | | | | ±0.1pF | GRM0332C2A7R2BA01# | |
| | | | | ±0.25pF | GRM0332C2A7R2CA01# | |
| | | | | ±0.5pF | GRM0332C2A7R2DA01# | |
| | | | 7.3pF | ±0.05pF | GRM0332C2A7R3WA01# | |
| | | | | ±0.1pF | GRM0332C2A7R3BA01# | |
| | | | | ±0.25pF | GRM0332C2A7R3CA01# | |
| | | | | ±0.5pF | GRM0332C2A7R3DA01# | |
| | | | 7.4pF | ±0.05pF | GRM0332C2A7R4WA01# | |
| | | | | ±0.1pF | GRM0332C2A7R4BA01# | |
| | | | | ±0.25pF | GRM0332C2A7R4CA01# | |
| | | | | ±0.5pF | GRM0332C2A7R4DA01# | |
| | | | 7.5pF | ±0.05pF | GRM0332C2A7R5WA01# | |
| | | | | ±0.1pF | GRM0332C2A7R5BA01# | |
| | | | | ±0.25pF | GRM0332C2A7R5CA01# | |
| | | | | ±0.5pF | GRM0332C2A7R5DA01# | |
| | | | 7.6pF | ±0.05pF | GRM0332C2A7R6WA01# | |
| | | | | ±0.1pF | GRM0332C2A7R6BA01# | |
| | | | | ±0.25pF | GRM0332C2A7R6CA01# | |
| | | | | ±0.5pF | GRM0332C2A7R6DA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 100Vdc | CH | 7.7pF | ±0.05pF | GRM0332C2A7R7WA01# | |
| | | | | ±0.1pF | GRM0332C2A7R7BA01# | |
| | | | | ±0.25pF | GRM0332C2A7R7CA01# | |
| | | | | ±0.5pF | GRM0332C2A7R7DA01# | |
| | | | 7.8pF | ±0.05pF | GRM0332C2A7R8WA01# | |
| | | | | ±0.1pF | GRM0332C2A7R8BA01# | |
| | | | | ±0.25pF | GRM0332C2A7R8CA01# | |
| | | | | ±0.5pF | GRM0332C2A7R8DA01# | |
| | | | 7.9pF | ±0.05pF | GRM0332C2A7R9WA01# | |
| | | | | ±0.1pF | GRM0332C2A7R9BA01# | |
| | | | | ±0.25pF | GRM0332C2A7R9CA01# | |
| | | | | ±0.5pF | GRM0332C2A7R9DA01# | |
| | | | 8.0pF | ±0.05pF | GRM0332C2A8R0WA01# | |
| | | | | ±0.1pF | GRM0332C2A8R0BA01# | |
| | | | | ±0.25pF | GRM0332C2A8R0CA01# | |
| | | | | ±0.5pF | GRM0332C2A8R0DA01# | |
| | | | 8.1pF | ±0.05pF | GRM0332C2A8R1WA01# | |
| | | | | ±0.1pF | GRM0332C2A8R1BA01# | |
| | | | | ±0.25pF | GRM0332C2A8R1CA01# | |
| | | | | ±0.5pF | GRM0332C2A8R1DA01# | |
| | | | 8.2pF | ±0.05pF | GRM0332C2A8R2WA01# | |
| | | | | ±0.1pF | GRM0332C2A8R2BA01# | |
| | | | | ±0.25pF | GRM0332C2A8R2CA01# | |
| | | | | ±0.5pF | GRM0332C2A8R2DA01# | |
| | | | 8.3pF | ±0.05pF | GRM0332C2A8R3WA01# | |
| | | | | ±0.1pF | GRM0332C2A8R3BA01# | |
| | | | | ±0.25pF | GRM0332C2A8R3CA01# | |
| | | | | ±0.5pF | GRM0332C2A8R3DA01# | |
| | | | 8.4pF | ±0.05pF | GRM0332C2A8R4WA01# | |
| | | | | ±0.1pF | GRM0332C2A8R4BA01# | |
| | | | | ±0.25pF | GRM0332C2A8R4CA01# | |
| | | | | ±0.5pF | GRM0332C2A8R4DA01# | |
| | | | 8.5pF | ±0.05pF | GRM0332C2A8R5WA01# | |
| | | | | ±0.1pF | GRM0332C2A8R5BA01# | |
| | | | | ±0.25pF | GRM0332C2A8R5CA01# | |
| | | | | ±0.5pF | GRM0332C2A8R5DA01# | |
| | | | 8.6pF | ±0.05pF | GRM0332C2A8R6WA01# | |
| | | | | ±0.1pF | GRM0332C2A8R6BA01# | |
| | | | | ±0.25pF | GRM0332C2A8R6CA01# | |
| | | | | ±0.5pF | GRM0332C2A8R6DA01# | |
| | | | 8.7pF | ±0.05pF | GRM0332C2A8R7WA01# | |
| | | | | ±0.1pF | GRM0332C2A8R7BA01# | |
| | | | | ±0.25pF | GRM0332C2A8R7CA01# | |
| | | | | ±0.5pF | GRM0332C2A8R7DA01# | |
| | | | 8.8pF | ±0.05pF | GRM0332C2A8R8WA01# | |
| | | | | ±0.1pF | GRM0332C2A8R8BA01# | |
| | | | | ±0.25pF | GRM0332C2A8R8CA01# | |
| | | | | ±0.5pF | GRM0332C2A8R8DA01# | |
| | | | 8.9pF | ±0.05pF | GRM0332C2A8R9WA01# | |
| | | | | ±0.1pF | GRM0332C2A8R9BA01# | |
| | | | | ±0.25pF | GRM0332C2A8R9CA01# | |
| | | | | ±0.5pF | GRM0332C2A8R9DA01# | |
| | | | 9.0pF | ±0.05pF | GRM0332C2A9R0WA01# | |
| | | | | ±0.1pF | GRM0332C2A9R0BA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 100Vdc | CH | 9.0pF | ±0.25pF | GRM0332C2A9R0CA01# | |
| | | | | ±0.5pF | GRM0332C2A9R0DA01# | |
| | | | 9.1pF | ±0.05pF | GRM0332C2A9R1WA01# | |
| | | | | ±0.1pF | GRM0332C2A9R1BA01# | |
| | | | | ±0.25pF | GRM0332C2A9R1CA01# | |
| | | | | ±0.5pF | GRM0332C2A9R1DA01# | |
| | | | 9.2pF | ±0.05pF | GRM0332C2A9R2WA01# | |
| | | | | ±0.1pF | GRM0332C2A9R2BA01# | |
| | | | | ±0.25pF | GRM0332C2A9R2CA01# | |
| | | | | ±0.5pF | GRM0332C2A9R2DA01# | |
| | | | 9.3pF | ±0.05pF | GRM0332C2A9R3WA01# | |
| | | | | ±0.1pF | GRM0332C2A9R3BA01# | |
| | | | | ±0.25pF | GRM0332C2A9R3CA01# | |
| | | | | ±0.5pF | GRM0332C2A9R3DA01# | |
| | | | 9.4pF | ±0.05pF | GRM0332C2A9R4WA01# | |
| | | | | ±0.1pF | GRM0332C2A9R4BA01# | |
| | | | | ±0.25pF | GRM0332C2A9R4CA01# | |
| | | | | ±0.5pF | GRM0332C2A9R4DA01# | |
| | | | 9.5pF | ±0.05pF | GRM0332C2A9R5WA01# | |
| | | | | ±0.1pF | GRM0332C2A9R5BA01# | |
| | | | | ±0.25pF | GRM0332C2A9R5CA01# | |
| | | | | ±0.5pF | GRM0332C2A9R5DA01# | |
| | | | 9.6pF | ±0.05pF | GRM0332C2A9R6WA01# | |
| | | | | ±0.1pF | GRM0332C2A9R6BA01# | |
| | | | | ±0.25pF | GRM0332C2A9R6CA01# | |
| | | | | ±0.5pF | GRM0332C2A9R6DA01# | |
| | | | 9.7pF | ±0.05pF | GRM0332C2A9R7WA01# | |
| | | | | ±0.1pF | GRM0332C2A9R7BA01# | |
| | | | | ±0.25pF | GRM0332C2A9R7CA01# | |
| | | | | ±0.5pF | GRM0332C2A9R7DA01# | |
| | | | 9.8pF | ±0.05pF | GRM0332C2A9R8WA01# | |
| | | | | ±0.1pF | GRM0332C2A9R8BA01# | |
| | | | | ±0.25pF | GRM0332C2A9R8CA01# | |
| | | | | ±0.5pF | GRM0332C2A9R8DA01# | |
| | | | 9.9pF | ±0.05pF | GRM0332C2A9R9WA01# | |
| | | | | ±0.1pF | GRM0332C2A9R9BA01# | |
| | | | | ±0.25pF | GRM0332C2A9R9CA01# | |
| | | | | ±0.5pF | GRM0332C2A9R9DA01# | |
| | | | 10pF | ±2% | GRM0332C2A100GA01# | |
| | | | | ±5% | GRM0332C2A100JA01# | |
| | | | 12pF | ±2% | GRM0332C2A120GA01# | |
| | | | | ±5% | GRM0332C2A120JA01# | |
| | | | 15pF | ±2% | GRM0332C2A150GA01# | |
| | | | | ±5% | GRM0332C2A150JA01# | |
| | 50Vdc | C0G | 0.10pF | ±0.05pF | GRM0335C1HR10WA01# | |
| | | | 0.20pF | ±0.05pF | GRM0335C1HR20WA01# | |
| | | | | ±0.1pF | GRM0335C1HR20BA01# | |
| | | | 0.30pF | ±0.05pF | GRM0335C1HR30WA01# | |
| | | | | ±0.1pF | GRM0335C1HR30BA01# | |
| | | | 0.40pF | ±0.05pF | GRM0335C1HR40WA01# | |
| | | | | ±0.1pF | GRM0335C1HR40BA01# | |
| | | | 0.50pF | ±0.05pF | GRM0335C1HR50WA01# | |
| | | | | ±0.1pF | GRM0335C1HR50BA01# | |
| | | | 0.60pF | ±0.05pF | GRM0335C1HR60WA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | C0G | 0.60pF | ±0.1pF | GRM0335C1HR60BA01# | |
| | | | 0.70pF | ±0.05pF | GRM0335C1HR70WA01# | |
| | | | | ±0.1pF | GRM0335C1HR70BA01# | |
| | | | 0.80pF | ±0.05pF | GRM0335C1HR80WA01# | |
| | | | | ±0.1pF | GRM0335C1HR80BA01# | |
| | | | 0.90pF | ±0.05pF | GRM0335C1HR90WA01# | |
| | | | | ±0.1pF | GRM0335C1HR90BA01# | |
| | | | 1.0pF | ±0.05pF | GRM0335C1H1R0WA01# | |
| | | | | ±0.1pF | GRM0335C1H1R0BA01# | |
| | | | | ±0.25pF | GRM0335C1H1R0CA01# | |
| | | | 1.1pF | ±0.05pF | GRM0335C1H1R1WA01# | |
| | | | | ±0.1pF | GRM0335C1H1R1BA01# | |
| | | | | ±0.25pF | GRM0335C1H1R1CA01# | |
| | | | 1.2pF | ±0.05pF | GRM0335C1H1R2WA01# | |
| | | | | ±0.1pF | GRM0335C1H1R2BA01# | |
| | | | | ±0.25pF | GRM0335C1H1R2CA01# | |
| | | | 1.3pF | ±0.05pF | GRM0335C1H1R3WA01# | |
| | | | | ±0.1pF | GRM0335C1H1R3BA01# | |
| | | | | ±0.25pF | GRM0335C1H1R3CA01# | |
| | | | 1.4pF | ±0.05pF | GRM0335C1H1R4WA01# | |
| | | | | ±0.1pF | GRM0335C1H1R4BA01# | |
| | | | | ±0.25pF | GRM0335C1H1R4CA01# | |
| | | | 1.5pF | ±0.05pF | GRM0335C1H1R5WA01# | |
| | | | | ±0.1pF | GRM0335C1H1R5BA01# | |
| | | | | ±0.25pF | GRM0335C1H1R5CA01# | |
| | | | 1.6pF | ±0.05pF | GRM0335C1H1R6WA01# | |
| | | | | ±0.1pF | GRM0335C1H1R6BA01# | |
| | | | | ±0.25pF | GRM0335C1H1R6CA01# | |
| | | | 1.7pF | ±0.05pF | GRM0335C1H1R7WA01# | |
| | | | | ±0.1pF | GRM0335C1H1R7BA01# | |
| | | | | ±0.25pF | GRM0335C1H1R7CA01# | |
| | | | 1.8pF | ±0.05pF | GRM0335C1H1R8WA01# | |
| | | | | ±0.1pF | GRM0335C1H1R8BA01# | |
| | | | | ±0.25pF | GRM0335C1H1R8CA01# | |
| | | | 1.9pF | ±0.05pF | GRM0335C1H1R9WA01# | |
| | | | | ±0.1pF | GRM0335C1H1R9BA01# | |
| | | | | ±0.25pF | GRM0335C1H1R9CA01# | |
| | | | 2.0pF | ±0.05pF | GRM0335C1H2R0WA01# | |
| | | | | ±0.1pF | GRM0335C1H2R0BA01# | |
| | | | | ±0.25pF | GRM0335C1H2R0CA01# | |
| | | | 2.1pF | ±0.05pF | GRM0335C1H2R1WA01# | |
| | | | | ±0.1pF | GRM0335C1H2R1BA01# | |
| | | | | ±0.25pF | GRM0335C1H2R1CA01# | |
| | | | 2.2pF | ±0.05pF | GRM0335C1H2R2WA01# | |
| | | | | ±0.1pF | GRM0335C1H2R2BA01# | |
| | | | | ±0.25pF | GRM0335C1H2R2CA01# | |
| | | | 2.3pF | ±0.05pF | GRM0335C1H2R3WA01# | |
| | | | | ±0.1pF | GRM0335C1H2R3BA01# | |
| | | | | ±0.25pF | GRM0335C1H2R3CA01# | |
| | | | 2.4pF | ±0.05pF | GRM0335C1H2R4WA01# | |
| | | | | ±0.1pF | GRM0335C1H2R4BA01# | |
| | | | | ±0.25pF | GRM0335C1H2R4CA01# | |
| | | | 2.5pF | ±0.05pF | GRM0335C1H2R5WA01# | |
| | | | | ±0.1pF | GRM0335C1H2R5BA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | C0G | 2.5pF | ±0.25pF | GRM0335C1H2R5CA01# | |
| | | | 2.6pF | ±0.05pF | GRM0335C1H2R6WA01# | |
| | | | | ±0.1pF | GRM0335C1H2R6BA01# | |
| | | | | ±0.25pF | GRM0335C1H2R6CA01# | |
| | | | 2.7pF | ±0.05pF | GRM0335C1H2R7WA01# | |
| | | | | ±0.1pF | GRM0335C1H2R7BA01# | |
| | | | | ±0.25pF | GRM0335C1H2R7CA01# | |
| | | | 2.8pF | ±0.05pF | GRM0335C1H2R8WA01# | |
| | | | | ±0.1pF | GRM0335C1H2R8BA01# | |
| | | | | ±0.25pF | GRM0335C1H2R8CA01# | |
| | | | 2.9pF | ±0.05pF | GRM0335C1H2R9WA01# | |
| | | | | ±0.1pF | GRM0335C1H2R9BA01# | |
| | | | | ±0.25pF | GRM0335C1H2R9CA01# | |
| | | | 3.0pF | ±0.05pF | GRM0335C1H3R0WA01# | |
| | | | | ±0.1pF | GRM0335C1H3R0BA01# | |
| | | | | ±0.25pF | GRM0335C1H3R0CA01# | |
| | | | 3.1pF | ±0.05pF | GRM0335C1H3R1WA01# | |
| | | | | ±0.1pF | GRM0335C1H3R1BA01# | |
| | | | | ±0.25pF | GRM0335C1H3R1CA01# | |
| | | | 3.2pF | ±0.05pF | GRM0335C1H3R2WA01# | |
| | | | | ±0.1pF | GRM0335C1H3R2BA01# | |
| | | | | ±0.25pF | GRM0335C1H3R2CA01# | |
| | | | 3.3pF | ±0.05pF | GRM0335C1H3R3WA01# | |
| | | | | ±0.1pF | GRM0335C1H3R3BA01# | |
| | | | | ±0.25pF | GRM0335C1H3R3CA01# | |
| | | | 3.4pF | ±0.05pF | GRM0335C1H3R4WA01# | |
| | | | | ±0.1pF | GRM0335C1H3R4BA01# | |
| | | | | ±0.25pF | GRM0335C1H3R4CA01# | |
| | | | 3.5pF | ±0.05pF | GRM0335C1H3R5WA01# | |
| | | | | ±0.1pF | GRM0335C1H3R5BA01# | |
| | | | | ±0.25pF | GRM0335C1H3R5CA01# | |
| | | | 3.6pF | ±0.05pF | GRM0335C1H3R6WA01# | |
| | | | | ±0.1pF | GRM0335C1H3R6BA01# | |
| | | | | ±0.25pF | GRM0335C1H3R6CA01# | |
| | | | 3.7pF | ±0.05pF | GRM0335C1H3R7WA01# | |
| | | | | ±0.1pF | GRM0335C1H3R7BA01# | |
| | | | | ±0.25pF | GRM0335C1H3R7CA01# | |
| | | | 3.8pF | ±0.05pF | GRM0335C1H3R8WA01# | |
| | | | | ±0.1pF | GRM0335C1H3R8BA01# | |
| | | | | ±0.25pF | GRM0335C1H3R8CA01# | |
| | | | 3.9pF | ±0.05pF | GRM0335C1H3R9WA01# | |
| | | | | ±0.1pF | GRM0335C1H3R9BA01# | |
| | | | | ±0.25pF | GRM0335C1H3R9CA01# | |
| | | | 4.0pF | ±0.05pF | GRM0335C1H4R0WA01# | |
| | | | | ±0.1pF | GRM0335C1H4R0BA01# | |
| | | | | ±0.25pF | GRM0335C1H4R0CA01# | |
| | | | 4.1pF | ±0.05pF | GRM0335C1H4R1WA01# | |
| | | | | ±0.1pF | GRM0335C1H4R1BA01# | |
| | | | | ±0.25pF | GRM0335C1H4R1CA01# | |
| | | | 4.2pF | ±0.05pF | GRM0335C1H4R2WA01# | |
| | | | | ±0.1pF | GRM0335C1H4R2BA01# | |
| | | | | ±0.25pF | GRM0335C1H4R2CA01# | |
| | | | 4.3pF | ±0.05pF | GRM0335C1H4R3WA01# | |
| | | | | ±0.1pF | GRM0335C1H4R3BA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | C0G | 4.3pF | ±0.25pF | GRM0335C1H4R3CA01# | |
| | | | 4.4pF | ±0.05pF | GRM0335C1H4R4WA01# | |
| | | | | ±0.1pF | GRM0335C1H4R4BA01# | |
| | | | | ±0.25pF | GRM0335C1H4R4CA01# | |
| | | | 4.5pF | ±0.05pF | GRM0335C1H4R5WA01# | |
| | | | | ±0.1pF | GRM0335C1H4R5BA01# | |
| | | | | ±0.25pF | GRM0335C1H4R5CA01# | |
| | | | 4.6pF | ±0.05pF | GRM0335C1H4R6WA01# | |
| | | | | ±0.1pF | GRM0335C1H4R6BA01# | |
| | | | | ±0.25pF | GRM0335C1H4R6CA01# | |
| | | | 4.7pF | ±0.05pF | GRM0335C1H4R7WA01# | |
| | | | | ±0.1pF | GRM0335C1H4R7BA01# | |
| | | | | ±0.25pF | GRM0335C1H4R7CA01# | |
| | | | 4.8pF | ±0.05pF | GRM0335C1H4R8WA01# | |
| | | | | ±0.1pF | GRM0335C1H4R8BA01# | |
| | | | | ±0.25pF | GRM0335C1H4R8CA01# | |
| | | | 4.9pF | ±0.05pF | GRM0335C1H4R9WA01# | |
| | | | | ±0.1pF | GRM0335C1H4R9BA01# | |
| | | | | ±0.25pF | GRM0335C1H4R9CA01# | |
| | | | 5.0pF | ±0.05pF | GRM0335C1H5R0WA01# | |
| | | | | ±0.1pF | GRM0335C1H5R0BA01# | |
| | | | | ±0.25pF | GRM0335C1H5R0CA01# | |
| | | | 5.1pF | ±0.05pF | GRM0335C1H5R1WA01# | |
| | | | | ±0.1pF | GRM0335C1H5R1BA01# | |
| | | | | ±0.25pF | GRM0335C1H5R1CA01# | |
| | | | | ±0.5pF | GRM0335C1H5R1DA01# | |
| | | | 5.2pF | ±0.05pF | GRM0335C1H5R2WA01# | |
| | | | | ±0.1pF | GRM0335C1H5R2BA01# | |
| | | | | ±0.25pF | GRM0335C1H5R2CA01# | |
| | | | | ±0.5pF | GRM0335C1H5R2DA01# | |
| | | | 5.3pF | ±0.05pF | GRM0335C1H5R3WA01# | |
| | | | | ±0.1pF | GRM0335C1H5R3BA01# | |
| | | | | ±0.25pF | GRM0335C1H5R3CA01# | |
| | | | | ±0.5pF | GRM0335C1H5R3DA01# | |
| | | | 5.4pF | ±0.05pF | GRM0335C1H5R4WA01# | |
| | | | | ±0.1pF | GRM0335C1H5R4BA01# | |
| | | | | ±0.25pF | GRM0335C1H5R4CA01# | |
| | | | | ±0.5pF | GRM0335C1H5R4DA01# | |
| | | | 5.5pF | ±0.05pF | GRM0335C1H5R5WA01# | |
| | | | | ±0.1pF | GRM0335C1H5R5BA01# | |
| | | | | ±0.25pF | GRM0335C1H5R5CA01# | |
| | | | | ±0.5pF | GRM0335C1H5R5DA01# | |
| | | | 5.6pF | ±0.05pF | GRM0335C1H5R6WA01# | |
| | | | | ±0.1pF | GRM0335C1H5R6BA01# | |
| | | | | ±0.25pF | GRM0335C1H5R6CA01# | |
| | | | | ±0.5pF | GRM0335C1H5R6DA01# | |
| | | | 5.7pF | ±0.05pF | GRM0335C1H5R7WA01# | |
| | | | | ±0.1pF | GRM0335C1H5R7BA01# | |
| | | | | ±0.25pF | GRM0335C1H5R7CA01# | |
| | | | | ±0.5pF | GRM0335C1H5R7DA01# | |
| | | | 5.8pF | ±0.05pF | GRM0335C1H5R8WA01# | |
| | | | | ±0.1pF | GRM0335C1H5R8BA01# | |
| | | | | ±0.25pF | GRM0335C1H5R8CA01# | |
| | | | | ±0.5pF | GRM0335C1H5R8DA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | C0G | 5.9pF | ±0.05pF | GRM0335C1H5R9WA01# | |
| | | | | ±0.1pF | GRM0335C1H5R9BA01# | |
| | | | | ±0.25pF | GRM0335C1H5R9CA01# | |
| | | | | ±0.5pF | GRM0335C1H5R9DA01# | |
| | | | 6.0pF | ±0.05pF | GRM0335C1H6R0WA01# | |
| | | | | ±0.1pF | GRM0335C1H6R0BA01# | |
| | | | | ±0.25pF | GRM0335C1H6R0CA01# | |
| | | | | ±0.5pF | GRM0335C1H6R0DA01# | |
| | | | 6.1pF | ±0.05pF | GRM0335C1H6R1WA01# | |
| | | | | ±0.1pF | GRM0335C1H6R1BA01# | |
| | | | | ±0.25pF | GRM0335C1H6R1CA01# | |
| | | | | ±0.5pF | GRM0335C1H6R1DA01# | |
| | | | 6.2pF | ±0.05pF | GRM0335C1H6R2WA01# | |
| | | | | ±0.1pF | GRM0335C1H6R2BA01# | |
| | | | | ±0.25pF | GRM0335C1H6R2CA01# | |
| | | | | ±0.5pF | GRM0335C1H6R2DA01# | |
| | | | 6.3pF | ±0.05pF | GRM0335C1H6R3WA01# | |
| | | | | ±0.1pF | GRM0335C1H6R3BA01# | |
| | | | | ±0.25pF | GRM0335C1H6R3CA01# | |
| | | | | ±0.5pF | GRM0335C1H6R3DA01# | |
| | | | 6.4pF | ±0.05pF | GRM0335C1H6R4WA01# | |
| | | | | ±0.1pF | GRM0335C1H6R4BA01# | |
| | | | | ±0.25pF | GRM0335C1H6R4CA01# | |
| | | | | ±0.5pF | GRM0335C1H6R4DA01# | |
| | | | 6.5pF | ±0.05pF | GRM0335C1H6R5WA01# | |
| | | | | ±0.1pF | GRM0335C1H6R5BA01# | |
| | | | | ±0.25pF | GRM0335C1H6R5CA01# | |
| | | | | ±0.5pF | GRM0335C1H6R5DA01# | |
| | | | 6.6pF | ±0.05pF | GRM0335C1H6R6WA01# | |
| | | | | ±0.1pF | GRM0335C1H6R6BA01# | |
| | | | | ±0.25pF | GRM0335C1H6R6CA01# | |
| | | | | ±0.5pF | GRM0335C1H6R6DA01# | |
| | | | 6.7pF | ±0.05pF | GRM0335C1H6R7WA01# | |
| | | | | ±0.1pF | GRM0335C1H6R7BA01# | |
| | | | | ±0.25pF | GRM0335C1H6R7CA01# | |
| | | | | ±0.5pF | GRM0335C1H6R7DA01# | |
| | | | 6.8pF | ±0.05pF | GRM0335C1H6R8WA01# | |
| | | | | ±0.1pF | GRM0335C1H6R8BA01# | |
| | | | | ±0.25pF | GRM0335C1H6R8CA01# | |
| | | | | ±0.5pF | GRM0335C1H6R8DA01# | |
| | | | 6.9pF | ±0.05pF | GRM0335C1H6R9WA01# | |
| | | | | ±0.1pF | GRM0335C1H6R9BA01# | |
| | | | | ±0.25pF | GRM0335C1H6R9CA01# | |
| | | | | ±0.5pF | GRM0335C1H6R9DA01# | |
| | | | 7.0pF | ±0.05pF | GRM0335C1H7R0WA01# | |
| | | | | ±0.1pF | GRM0335C1H7R0BA01# | |
| | | | | ±0.25pF | GRM0335C1H7R0CA01# | |
| | | | | ±0.5pF | GRM0335C1H7R0DA01# | |
| | | | 7.1pF | ±0.05pF | GRM0335C1H7R1WA01# | |
| | | | | ±0.1pF | GRM0335C1H7R1BA01# | |
| | | | | ±0.25pF | GRM0335C1H7R1CA01# | |
| | | | | ±0.5pF | GRM0335C1H7R1DA01# | |
| | | | 7.2pF | ±0.05pF | GRM0335C1H7R2WA01# | |
| | | | | ±0.1pF | GRM0335C1H7R2BA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | C0G | 7.2pF | ±0.25pF | GRM0335C1H7R2CA01# | |
| | | | | ±0.5pF | GRM0335C1H7R2DA01# | |
| | | | 7.3pF | ±0.05pF | GRM0335C1H7R3WA01# | |
| | | | | ±0.1pF | GRM0335C1H7R3BA01# | |
| | | | | ±0.25pF | GRM0335C1H7R3CA01# | |
| | | | | ±0.5pF | GRM0335C1H7R3DA01# | |
| | | | 7.4pF | ±0.05pF | GRM0335C1H7R4WA01# | |
| | | | | ±0.1pF | GRM0335C1H7R4BA01# | |
| | | | | ±0.25pF | GRM0335C1H7R4CA01# | |
| | | | | ±0.5pF | GRM0335C1H7R4DA01# | |
| | | | 7.5pF | ±0.05pF | GRM0335C1H7R5WA01# | |
| | | | | ±0.1pF | GRM0335C1H7R5BA01# | |
| | | | | ±0.25pF | GRM0335C1H7R5CA01# | |
| | | | | ±0.5pF | GRM0335C1H7R5DA01# | |
| | | | 7.6pF | ±0.05pF | GRM0335C1H7R6WA01# | |
| | | | | ±0.1pF | GRM0335C1H7R6BA01# | |
| | | | | ±0.25pF | GRM0335C1H7R6CA01# | |
| | | | | ±0.5pF | GRM0335C1H7R6DA01# | |
| | | | 7.7pF | ±0.05pF | GRM0335C1H7R7WA01# | |
| | | | | ±0.1pF | GRM0335C1H7R7BA01# | |
| | | | | ±0.25pF | GRM0335C1H7R7CA01# | |
| | | | | ±0.5pF | GRM0335C1H7R7DA01# | |
| | | | 7.8pF | ±0.05pF | GRM0335C1H7R8WA01# | |
| | | | | ±0.1pF | GRM0335C1H7R8BA01# | |
| | | | | ±0.25pF | GRM0335C1H7R8CA01# | |
| | | | | ±0.5pF | GRM0335C1H7R8DA01# | |
| | | | 7.9pF | ±0.05pF | GRM0335C1H7R9WA01# | |
| | | | | ±0.1pF | GRM0335C1H7R9BA01# | |
| | | | | ±0.25pF | GRM0335C1H7R9CA01# | |
| | | | | ±0.5pF | GRM0335C1H7R9DA01# | |
| | | | 8.0pF | ±0.05pF | GRM0335C1H8R0WA01# | |
| | | | | ±0.1pF | GRM0335C1H8R0BA01# | |
| | | | | ±0.25pF | GRM0335C1H8R0CA01# | |
| | | | | ±0.5pF | GRM0335C1H8R0DA01# | |
| | | | 8.1pF | ±0.05pF | GRM0335C1H8R1WA01# | |
| | | | | ±0.1pF | GRM0335C1H8R1BA01# | |
| | | | | ±0.25pF | GRM0335C1H8R1CA01# | |
| | | | | ±0.5pF | GRM0335C1H8R1DA01# | |
| | | | 8.2pF | ±0.05pF | GRM0335C1H8R2WA01# | |
| | | | | ±0.1pF | GRM0335C1H8R2BA01# | |
| | | | | ±0.25pF | GRM0335C1H8R2CA01# | |
| | | | | ±0.5pF | GRM0335C1H8R2DA01# | |
| | | | 8.3pF | ±0.05pF | GRM0335C1H8R3WA01# | |
| | | | | ±0.1pF | GRM0335C1H8R3BA01# | |
| | | | | ±0.25pF | GRM0335C1H8R3CA01# | |
| | | | | ±0.5pF | GRM0335C1H8R3DA01# | |
| | | | 8.4pF | ±0.05pF | GRM0335C1H8R4WA01# | |
| | | | | ±0.1pF | GRM0335C1H8R4BA01# | |
| | | | | ±0.25pF | GRM0335C1H8R4CA01# | |
| | | | | ±0.5pF | GRM0335C1H8R4DA01# | |
| | | | 8.5pF | ±0.05pF | GRM0335C1H8R5WA01# | |
| | | | | ±0.1pF | GRM0335C1H8R5BA01# | |
| | | | | ±0.25pF | GRM0335C1H8R5CA01# | |
| | | | | ±0.5pF | GRM0335C1H8R5DA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | C0G | 8.6pF | ±0.05pF | GRM0335C1H8R6WA01# | |
| | | | | ±0.1pF | GRM0335C1H8R6BA01# | |
| | | | | ±0.25pF | GRM0335C1H8R6CA01# | |
| | | | | ±0.5pF | GRM0335C1H8R6DA01# | |
| | | | 8.7pF | ±0.05pF | GRM0335C1H8R7WA01# | |
| | | | | ±0.1pF | GRM0335C1H8R7BA01# | |
| | | | | ±0.25pF | GRM0335C1H8R7CA01# | |
| | | | | ±0.5pF | GRM0335C1H8R7DA01# | |
| | | | 8.8pF | ±0.05pF | GRM0335C1H8R8WA01# | |
| | | | | ±0.1pF | GRM0335C1H8R8BA01# | |
| | | | | ±0.25pF | GRM0335C1H8R8CA01# | |
| | | | | ±0.5pF | GRM0335C1H8R8DA01# | |
| | | | 8.9pF | ±0.05pF | GRM0335C1H8R9WA01# | |
| | | | | ±0.1pF | GRM0335C1H8R9BA01# | |
| | | | | ±0.25pF | GRM0335C1H8R9CA01# | |
| | | | | ±0.5pF | GRM0335C1H8R9DA01# | |
| | | | 9.0pF | ±0.05pF | GRM0335C1H9R0WA01# | |
| | | | | ±0.1pF | GRM0335C1H9R0BA01# | |
| | | | | ±0.25pF | GRM0335C1H9R0CA01# | |
| | | | | ±0.5pF | GRM0335C1H9R0DA01# | |
| | | | 9.1pF | ±0.05pF | GRM0335C1H9R1WA01# | |
| | | | | ±0.1pF | GRM0335C1H9R1BA01# | |
| | | | | ±0.25pF | GRM0335C1H9R1CA01# | |
| | | | | ±0.5pF | GRM0335C1H9R1DA01# | |
| | | | 9.2pF | ±0.05pF | GRM0335C1H9R2WA01# | |
| | | | | ±0.1pF | GRM0335C1H9R2BA01# | |
| | | | | ±0.25pF | GRM0335C1H9R2CA01# | |
| | | | | ±0.5pF | GRM0335C1H9R2DA01# | |
| | | | 9.3pF | ±0.05pF | GRM0335C1H9R3WA01# | |
| | | | | ±0.1pF | GRM0335C1H9R3BA01# | |
| | | | | ±0.25pF | GRM0335C1H9R3CA01# | |
| | | | | ±0.5pF | GRM0335C1H9R3DA01# | |
| | | | 9.4pF | ±0.05pF | GRM0335C1H9R4WA01# | |
| | | | | ±0.1pF | GRM0335C1H9R4BA01# | |
| | | | | ±0.25pF | GRM0335C1H9R4CA01# | |
| | | | | ±0.5pF | GRM0335C1H9R4DA01# | |
| | | | 9.5pF | ±0.05pF | GRM0335C1H9R5WA01# | |
| | | | | ±0.1pF | GRM0335C1H9R5BA01# | |
| | | | | ±0.25pF | GRM0335C1H9R5CA01# | |
| | | | | ±0.5pF | GRM0335C1H9R5DA01# | |
| | | | 9.6pF | ±0.05pF | GRM0335C1H9R6WA01# | |
| | | | | ±0.1pF | GRM0335C1H9R6BA01# | |
| | | | | ±0.25pF | GRM0335C1H9R6CA01# | |
| | | | | ±0.5pF | GRM0335C1H9R6DA01# | |
| | | | 9.7pF | ±0.05pF | GRM0335C1H9R7WA01# | |
| | | | | ±0.1pF | GRM0335C1H9R7BA01# | |
| | | | | ±0.25pF | GRM0335C1H9R7CA01# | |
| | | | | ±0.5pF | GRM0335C1H9R7DA01# | |
| | | | 9.8pF | ±0.05pF | GRM0335C1H9R8WA01# | |
| | | | | ±0.1pF | GRM0335C1H9R8BA01# | |
| | | | | ±0.25pF | GRM0335C1H9R8CA01# | |
| | | | | ±0.5pF | GRM0335C1H9R8DA01# | |
| | | | 9.9pF | ±0.05pF | GRM0335C1H9R9WA01# | |
| | | | | ±0.1pF | GRM0335C1H9R9BA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | C0G | 9.9pF | ±0.25pF | GRM0335C1H9R9CA01# | |
| | | | | ±0.5pF | GRM0335C1H9R9DA01# | |
| | | | 10pF | ±2% | GRM0335C1H100GA01# | |
| | | | | ±5% | GRM0335C1H100JA01# | |
| | | | 12pF | ±2% | GRM0335C1H120GA01# | |
| | | | | ±5% | GRM0335C1H120JA01# | |
| | | | 15pF | ±2% | GRM0335C1H150GA01# | |
| | | | | ±5% | GRM0335C1H150JA01# | |
| | | | 18pF | ±2% | GRM0335C1H180GA01# | |
| | | | | ±5% | GRM0335C1H180JA01# | |
| | | | 22pF | ±2% | GRM0335C1H220GA01# | |
| | | | | ±5% | GRM0335C1H220JA01# | |
| | | | 27pF | ±2% | GRM0335C1H270GA01# | |
| | | | | ±5% | GRM0335C1H270JA01# | |
| | | | 33pF | ±2% | GRM0335C1H330GA01# | |
| | | | | ±5% | GRM0335C1H330JA01# | |
| | | | 39pF | ±2% | GRM0335C1H390GA01# | |
| | | | | ±5% | GRM0335C1H390JA01# | |
| | | | 47pF | ±2% | GRM0335C1H470GA01# | |
| | | | | ±5% | GRM0335C1H470JA01# | |
| | | | 56pF | ±2% | GRM0335C1H560GA01# | |
| | | | | ±5% | GRM0335C1H560JA01# | |
| | | | 68pF | ±2% | GRM0335C1H680GA01# | |
| | | | | ±5% | GRM0335C1H680JA01# | |
| | | | 82pF | ±2% | GRM0335C1H820GA01# | |
| | | | | ±5% | GRM0335C1H820JA01# | |
| | | | 100pF | ±2% | GRM0335C1H101GA01# | |
| | | | | ±5% | GRM0335C1H101JA01# | |
| | | | 120pF | ±2% | GRM0335C1H121GA01# | |
| | | | | ±5% | GRM0335C1H121JA01# | |
| | | | 150pF | ±2% | GRM0335C1H151GA01# | |
| | | | | ±5% | GRM0335C1H151JA01# | |
| | | | 180pF | ±2% | GRM0335C1H181GA01# | |
| | | | | ±5% | GRM0335C1H181JA01# | |
| | | | 220pF | ±2% | GRM0335C1H221GA01# | |
| | | | | ±5% | GRM0335C1H221JA01# | |
| | | CK | 0.10pF | ±0.05pF | GRM0334C1HR10WA01# | |
| | | | 0.20pF | ±0.05pF | GRM0334C1HR20WA01# | |
| | | | | ±0.1pF | GRM0334C1HR20BA01# | |
| | | | 0.30pF | ±0.05pF | GRM0334C1HR30WA01# | |
| | | | | ±0.1pF | GRM0334C1HR30BA01# | |
| | | | 0.40pF | ±0.05pF | GRM0334C1HR40WA01# | |
| | | | | ±0.1pF | GRM0334C1HR40BA01# | |
| | | | 0.50pF | ±0.05pF | GRM0334C1HR50WA01# | |
| | | | | ±0.1pF | GRM0334C1HR50BA01# | |
| | | | 0.60pF | ±0.05pF | GRM0334C1HR60WA01# | |
| | | | | ±0.1pF | GRM0334C1HR60BA01# | |
| | | | 0.70pF | ±0.05pF | GRM0334C1HR70WA01# | |
| | | | | ±0.1pF | GRM0334C1HR70BA01# | |
| | | | 0.80pF | ±0.05pF | GRM0334C1HR80WA01# | |
| | | | | ±0.1pF | GRM0334C1HR80BA01# | |
| | | | 0.90pF | ±0.05pF | GRM0334C1HR90WA01# | |
| | | | | ±0.1pF | GRM0334C1HR90BA01# | |
| | | | 1.0pF | ±0.05pF | GRM0334C1H1R0WA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | CK | 1.0pF | ±0.1pF | GRM0334C1H1R0BA01# | |
| | | | | ±0.25pF | GRM0334C1H1R0CA01# | |
| | | | 1.1pF | ±0.05pF | GRM0334C1H1R1WA01# | |
| | | | | ±0.1pF | GRM0334C1H1R1BA01# | |
| | | | | ±0.25pF | GRM0334C1H1R1CA01# | |
| | | | 1.2pF | ±0.05pF | GRM0334C1H1R2WA01# | |
| | | | | ±0.1pF | GRM0334C1H1R2BA01# | |
| | | | | ±0.25pF | GRM0334C1H1R2CA01# | |
| | | | 1.3pF | ±0.05pF | GRM0334C1H1R3WA01# | |
| | | | | ±0.1pF | GRM0334C1H1R3BA01# | |
| | | | | ±0.25pF | GRM0334C1H1R3CA01# | |
| | | | 1.4pF | ±0.05pF | GRM0334C1H1R4WA01# | |
| | | | | ±0.1pF | GRM0334C1H1R4BA01# | |
| | | | | ±0.25pF | GRM0334C1H1R4CA01# | |
| | | | 1.5pF | ±0.05pF | GRM0334C1H1R5WA01# | |
| | | | | ±0.1pF | GRM0334C1H1R5BA01# | |
| | | | | ±0.25pF | GRM0334C1H1R5CA01# | |
| | | | 1.6pF | ±0.05pF | GRM0334C1H1R6WA01# | |
| | | | | ±0.1pF | GRM0334C1H1R6BA01# | |
| | | | | ±0.25pF | GRM0334C1H1R6CA01# | |
| | | | 1.7pF | ±0.05pF | GRM0334C1H1R7WA01# | |
| | | | | ±0.1pF | GRM0334C1H1R7BA01# | |
| | | | | ±0.25pF | GRM0334C1H1R7CA01# | |
| | | | 1.8pF | ±0.05pF | GRM0334C1H1R8WA01# | |
| | | | | ±0.1pF | GRM0334C1H1R8BA01# | |
| | | | | ±0.25pF | GRM0334C1H1R8CA01# | |
| | | | 1.9pF | ±0.05pF | GRM0334C1H1R9WA01# | |
| | | | | ±0.1pF | GRM0334C1H1R9BA01# | |
| | | | | ±0.25pF | GRM0334C1H1R9CA01# | |
| | | | 2.0pF | ±0.05pF | GRM0334C1H2R0WA01# | |
| | | | | ±0.1pF | GRM0334C1H2R0BA01# | |
| | | | | ±0.25pF | GRM0334C1H2R0CA01# | |
| | | CJ | 2.1pF | ±0.05pF | GRM0333C1H2R1WA01# | |
| | | | | ±0.1pF | GRM0333C1H2R1BA01# | |
| | | | | ±0.25pF | GRM0333C1H2R1CA01# | |
| | | | 2.2pF | ±0.05pF | GRM0333C1H2R2WA01# | |
| | | | | ±0.1pF | GRM0333C1H2R2BA01# | |
| | | | | ±0.25pF | GRM0333C1H2R2CA01# | |
| | | | 2.3pF | ±0.05pF | GRM0333C1H2R3WA01# | |
| | | | | ±0.1pF | GRM0333C1H2R3BA01# | |
| | | | | ±0.25pF | GRM0333C1H2R3CA01# | |
| | | | 2.4pF | ±0.05pF | GRM0333C1H2R4WA01# | |
| | | | | ±0.1pF | GRM0333C1H2R4BA01# | |
| | | | | ±0.25pF | GRM0333C1H2R4CA01# | |
| | | | 2.5pF | ±0.05pF | GRM0333C1H2R5WA01# | |
| | | | | ±0.1pF | GRM0333C1H2R5BA01# | |
| | | | | ±0.25pF | GRM0333C1H2R5CA01# | |
| | | | 2.6pF | ±0.05pF | GRM0333C1H2R6WA01# | |
| | | | | ±0.1pF | GRM0333C1H2R6BA01# | |
| | | | | ±0.25pF | GRM0333C1H2R6CA01# | |
| | | | 2.7pF | ±0.05pF | GRM0333C1H2R7WA01# | |
| | | | | ±0.1pF | GRM0333C1H2R7BA01# | |
| | | | | ±0.25pF | GRM0333C1H2R7CA01# | |
| | | | 2.8pF | ±0.05pF | GRM0333C1H2R8WA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | CJ | 2.8pF | ±0.1pF | GRM0333C1H2R8BA01# | |
| | | | | ±0.25pF | GRM0333C1H2R8CA01# | |
| | | | 2.9pF | ±0.05pF | GRM0333C1H2R9WA01# | |
| | | | | ±0.1pF | GRM0333C1H2R9BA01# | |
| | | | | ±0.25pF | GRM0333C1H2R9CA01# | |
| | | | 3.0pF | ±0.05pF | GRM0333C1H3R0WA01# | |
| | | | | ±0.1pF | GRM0333C1H3R0BA01# | |
| | | | | ±0.25pF | GRM0333C1H3R0CA01# | |
| | | | 3.1pF | ±0.05pF | GRM0333C1H3R1WA01# | |
| | | | | ±0.1pF | GRM0333C1H3R1BA01# | |
| | | | | ±0.25pF | GRM0333C1H3R1CA01# | |
| | | | 3.2pF | ±0.05pF | GRM0333C1H3R2WA01# | |
| | | | | ±0.1pF | GRM0333C1H3R2BA01# | |
| | | | | ±0.25pF | GRM0333C1H3R2CA01# | |
| | | | 3.3pF | ±0.05pF | GRM0333C1H3R3WA01# | |
| | | | | ±0.1pF | GRM0333C1H3R3BA01# | |
| | | | | ±0.25pF | GRM0333C1H3R3CA01# | |
| | | | 3.4pF | ±0.05pF | GRM0333C1H3R4WA01# | |
| | | | | ±0.1pF | GRM0333C1H3R4BA01# | |
| | | | | ±0.25pF | GRM0333C1H3R4CA01# | |
| | | | 3.5pF | ±0.05pF | GRM0333C1H3R5WA01# | |
| | | | | ±0.1pF | GRM0333C1H3R5BA01# | |
| | | | | ±0.25pF | GRM0333C1H3R5CA01# | |
| | | | 3.6pF | ±0.05pF | GRM0333C1H3R6WA01# | |
| | | | | ±0.1pF | GRM0333C1H3R6BA01# | |
| | | | | ±0.25pF | GRM0333C1H3R6CA01# | |
| | | | 3.7pF | ±0.05pF | GRM0333C1H3R7WA01# | |
| | | | | ±0.1pF | GRM0333C1H3R7BA01# | |
| | | | | ±0.25pF | GRM0333C1H3R7CA01# | |
| | | | 3.8pF | ±0.05pF | GRM0333C1H3R8WA01# | |
| | | | | ±0.1pF | GRM0333C1H3R8BA01# | |
| | | | | ±0.25pF | GRM0333C1H3R8CA01# | |
| | | | 3.9pF | ±0.05pF | GRM0333C1H3R9WA01# | |
| | | | | ±0.1pF | GRM0333C1H3R9BA01# | |
| | | | | ±0.25pF | GRM0333C1H3R9CA01# | |
| | | CH | 4.0pF | ±0.05pF | GRM0332C1H4R0WA01# | |
| | | | | ±0.1pF | GRM0332C1H4R0BA01# | |
| | | | | ±0.25pF | GRM0332C1H4R0CA01# | |
| | | | 4.1pF | ±0.05pF | GRM0332C1H4R1WA01# | |
| | | | | ±0.1pF | GRM0332C1H4R1BA01# | |
| | | | | ±0.25pF | GRM0332C1H4R1CA01# | |
| | | | 4.2pF | ±0.05pF | GRM0332C1H4R2WA01# | |
| | | | | ±0.1pF | GRM0332C1H4R2BA01# | |
| | | | | ±0.25pF | GRM0332C1H4R2CA01# | |
| | | | 4.3pF | ±0.05pF | GRM0332C1H4R3WA01# | |
| | | | | ±0.1pF | GRM0332C1H4R3BA01# | |
| | | | | ±0.25pF | GRM0332C1H4R3CA01# | |
| | | | 4.4pF | ±0.05pF | GRM0332C1H4R4WA01# | |
| | | | | ±0.1pF | GRM0332C1H4R4BA01# | |
| | | | | ±0.25pF | GRM0332C1H4R4CA01# | |
| | | | 4.5pF | ±0.05pF | GRM0332C1H4R5WA01# | |
| | | | | ±0.1pF | GRM0332C1H4R5BA01# | |
| | | | | ±0.25pF | GRM0332C1H4R5CA01# | |
| | | | 4.6pF | ±0.05pF | GRM0332C1H4R6WA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | CH | 4.6pF | ±0.1pF | GRM0332C1H4R6BA01# | |
| | | | | ±0.25pF | GRM0332C1H4R6CA01# | |
| | | | 4.7pF | ±0.05pF | GRM0332C1H4R7WA01# | |
| | | | | ±0.1pF | GRM0332C1H4R7BA01# | |
| | | | | ±0.25pF | GRM0332C1H4R7CA01# | |
| | | | 4.8pF | ±0.05pF | GRM0332C1H4R8WA01# | |
| | | | | ±0.1pF | GRM0332C1H4R8BA01# | |
| | | | | ±0.25pF | GRM0332C1H4R8CA01# | |
| | | | 4.9pF | ±0.05pF | GRM0332C1H4R9WA01# | |
| | | | | ±0.1pF | GRM0332C1H4R9BA01# | |
| | | | | ±0.25pF | GRM0332C1H4R9CA01# | |
| | | | 5.0pF | ±0.05pF | GRM0332C1H5R0WA01# | |
| | | | | ±0.1pF | GRM0332C1H5R0BA01# | |
| | | | | ±0.25pF | GRM0332C1H5R0CA01# | |
| | | | 5.1pF | ±0.05pF | GRM0332C1H5R1WA01# | |
| | | | | ±0.1pF | GRM0332C1H5R1BA01# | |
| | | | | ±0.25pF | GRM0332C1H5R1CA01# | |
| | | | | ±0.5pF | GRM0332C1H5R1DA01# | |
| | | | 5.2pF | ±0.05pF | GRM0332C1H5R2WA01# | |
| | | | | ±0.1pF | GRM0332C1H5R2BA01# | |
| | | | | ±0.25pF | GRM0332C1H5R2CA01# | |
| | | | | ±0.5pF | GRM0332C1H5R2DA01# | |
| | | | 5.3pF | ±0.05pF | GRM0332C1H5R3WA01# | |
| | | | | ±0.1pF | GRM0332C1H5R3BA01# | |
| | | | | ±0.25pF | GRM0332C1H5R3CA01# | |
| | | | | ±0.5pF | GRM0332C1H5R3DA01# | |
| | | | 5.4pF | ±0.05pF | GRM0332C1H5R4WA01# | |
| | | | | ±0.1pF | GRM0332C1H5R4BA01# | |
| | | | | ±0.25pF | GRM0332C1H5R4CA01# | |
| | | | | ±0.5pF | GRM0332C1H5R4DA01# | |
| | | | 5.5pF | ±0.05pF | GRM0332C1H5R5WA01# | |
| | | | | ±0.1pF | GRM0332C1H5R5BA01# | |
| | | | | ±0.25pF | GRM0332C1H5R5CA01# | |
| | | | | ±0.5pF | GRM0332C1H5R5DA01# | |
| | | | 5.6pF | ±0.05pF | GRM0332C1H5R6WA01# | |
| | | | | ±0.1pF | GRM0332C1H5R6BA01# | |
| | | | | ±0.25pF | GRM0332C1H5R6CA01# | |
| | | | | ±0.5pF | GRM0332C1H5R6DA01# | |
| | | | 5.7pF | ±0.05pF | GRM0332C1H5R7WA01# | |
| | | | | ±0.1pF | GRM0332C1H5R7BA01# | |
| | | | | ±0.25pF | GRM0332C1H5R7CA01# | |
| | | | | ±0.5pF | GRM0332C1H5R7DA01# | |
| | | | 5.8pF | ±0.05pF | GRM0332C1H5R8WA01# | |
| | | | | ±0.1pF | GRM0332C1H5R8BA01# | |
| | | | | ±0.25pF | GRM0332C1H5R8CA01# | |
| | | | | ±0.5pF | GRM0332C1H5R8DA01# | |
| | | | 5.9pF | ±0.05pF | GRM0332C1H5R9WA01# | |
| | | | | ±0.1pF | GRM0332C1H5R9BA01# | |
| | | | | ±0.25pF | GRM0332C1H5R9CA01# | |
| | | | | ±0.5pF | GRM0332C1H5R9DA01# | |
| | | | 6.0pF | ±0.05pF | GRM0332C1H6R0WA01# | |
| | | | | ±0.1pF | GRM0332C1H6R0BA01# | |
| | | | | ±0.25pF | GRM0332C1H6R0CA01# | |
| | | | | ±0.5pF | GRM0332C1H6R0DA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | CH | 6.1pF | ±0.05pF | GRM0332C1H6R1WA01# | |
| | | | | ±0.1pF | GRM0332C1H6R1BA01# | |
| | | | | ±0.25pF | GRM0332C1H6R1CA01# | |
| | | | | ±0.5pF | GRM0332C1H6R1DA01# | |
| | | | 6.2pF | ±0.05pF | GRM0332C1H6R2WA01# | |
| | | | | ±0.1pF | GRM0332C1H6R2BA01# | |
| | | | | ±0.25pF | GRM0332C1H6R2CA01# | |
| | | | | ±0.5pF | GRM0332C1H6R2DA01# | |
| | | | 6.3pF | ±0.05pF | GRM0332C1H6R3WA01# | |
| | | | | ±0.1pF | GRM0332C1H6R3BA01# | |
| | | | | ±0.25pF | GRM0332C1H6R3CA01# | |
| | | | | ±0.5pF | GRM0332C1H6R3DA01# | |
| | | | 6.4pF | ±0.05pF | GRM0332C1H6R4WA01# | |
| | | | | ±0.1pF | GRM0332C1H6R4BA01# | |
| | | | | ±0.25pF | GRM0332C1H6R4CA01# | |
| | | | | ±0.5pF | GRM0332C1H6R4DA01# | |
| | | | 6.5pF | ±0.05pF | GRM0332C1H6R5WA01# | |
| | | | | ±0.1pF | GRM0332C1H6R5BA01# | |
| | | | | ±0.25pF | GRM0332C1H6R5CA01# | |
| | | | | ±0.5pF | GRM0332C1H6R5DA01# | |
| | | | 6.6pF | ±0.05pF | GRM0332C1H6R6WA01# | |
| | | | | ±0.1pF | GRM0332C1H6R6BA01# | |
| | | | | ±0.25pF | GRM0332C1H6R6CA01# | |
| | | | | ±0.5pF | GRM0332C1H6R6DA01# | |
| | | | 6.7pF | ±0.05pF | GRM0332C1H6R7WA01# | |
| | | | | ±0.1pF | GRM0332C1H6R7BA01# | |
| | | | | ±0.25pF | GRM0332C1H6R7CA01# | |
| | | | | ±0.5pF | GRM0332C1H6R7DA01# | |
| | | | 6.8pF | ±0.05pF | GRM0332C1H6R8WA01# | |
| | | | | ±0.1pF | GRM0332C1H6R8BA01# | |
| | | | | ±0.25pF | GRM0332C1H6R8CA01# | |
| | | | | ±0.5pF | GRM0332C1H6R8DA01# | |
| | | | 6.9pF | ±0.05pF | GRM0332C1H6R9WA01# | |
| | | | | ±0.1pF | GRM0332C1H6R9BA01# | |
| | | | | ±0.25pF | GRM0332C1H6R9CA01# | |
| | | | | ±0.5pF | GRM0332C1H6R9DA01# | |
| | | | 7.0pF | ±0.05pF | GRM0332C1H7R0WA01# | |
| | | | | ±0.1pF | GRM0332C1H7R0BA01# | |
| | | | | ±0.25pF | GRM0332C1H7R0CA01# | |
| | | | | ±0.5pF | GRM0332C1H7R0DA01# | |
| | | | 7.1pF | ±0.05pF | GRM0332C1H7R1WA01# | |
| | | | | ±0.1pF | GRM0332C1H7R1BA01# | |
| | | | | ±0.25pF | GRM0332C1H7R1CA01# | |
| | | | | ±0.5pF | GRM0332C1H7R1DA01# | |
| | | | 7.2pF | ±0.05pF | GRM0332C1H7R2WA01# | |
| | | | | ±0.1pF | GRM0332C1H7R2BA01# | |
| | | | | ±0.25pF | GRM0332C1H7R2CA01# | |
| | | | | ±0.5pF | GRM0332C1H7R2DA01# | |
| | | | 7.3pF | ±0.05pF | GRM0332C1H7R3WA01# | |
| | | | | ±0.1pF | GRM0332C1H7R3BA01# | |
| | | | | ±0.25pF | GRM0332C1H7R3CA01# | |
| | | | | ±0.5pF | GRM0332C1H7R3DA01# | |
| | | | 7.4pF | ±0.05pF | GRM0332C1H7R4WA01# | |
| | | | | ±0.1pF | GRM0332C1H7R4BA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | CH | 7.4pF | ±0.25pF | GRM0332C1H7R4CA01# | |
| | | | | ±0.5pF | GRM0332C1H7R4DA01# | |
| | | | 7.5pF | ±0.05pF | GRM0332C1H7R5WA01# | |
| | | | | ±0.1pF | GRM0332C1H7R5BA01# | |
| | | | | ±0.25pF | GRM0332C1H7R5CA01# | |
| | | | | ±0.5pF | GRM0332C1H7R5DA01# | |
| | | | 7.6pF | ±0.05pF | GRM0332C1H7R6WA01# | |
| | | | | ±0.1pF | GRM0332C1H7R6BA01# | |
| | | | | ±0.25pF | GRM0332C1H7R6CA01# | |
| | | | | ±0.5pF | GRM0332C1H7R6DA01# | |
| | | | 7.7pF | ±0.05pF | GRM0332C1H7R7WA01# | |
| | | | | ±0.1pF | GRM0332C1H7R7BA01# | |
| | | | | ±0.25pF | GRM0332C1H7R7CA01# | |
| | | | | ±0.5pF | GRM0332C1H7R7DA01# | |
| | | | 7.8pF | ±0.05pF | GRM0332C1H7R8WA01# | |
| | | | | ±0.1pF | GRM0332C1H7R8BA01# | |
| | | | | ±0.25pF | GRM0332C1H7R8CA01# | |
| | | | | ±0.5pF | GRM0332C1H7R8DA01# | |
| | | | 7.9pF | ±0.05pF | GRM0332C1H7R9WA01# | |
| | | | | ±0.1pF | GRM0332C1H7R9BA01# | |
| | | | | ±0.25pF | GRM0332C1H7R9CA01# | |
| | | | | ±0.5pF | GRM0332C1H7R9DA01# | |
| | | | 8.0pF | ±0.05pF | GRM0332C1H8R0WA01# | |
| | | | | ±0.1pF | GRM0332C1H8R0BA01# | |
| | | | | ±0.25pF | GRM0332C1H8R0CA01# | |
| | | | | ±0.5pF | GRM0332C1H8R0DA01# | |
| | | | 8.1pF | ±0.05pF | GRM0332C1H8R1WA01# | |
| | | | | ±0.1pF | GRM0332C1H8R1BA01# | |
| | | | | ±0.25pF | GRM0332C1H8R1CA01# | |
| | | | | ±0.5pF | GRM0332C1H8R1DA01# | |
| | | | 8.2pF | ±0.05pF | GRM0332C1H8R2WA01# | |
| | | | | ±0.1pF | GRM0332C1H8R2BA01# | |
| | | | | ±0.25pF | GRM0332C1H8R2CA01# | |
| | | | | ±0.5pF | GRM0332C1H8R2DA01# | |
| | | | 8.3pF | ±0.05pF | GRM0332C1H8R3WA01# | |
| | | | | ±0.1pF | GRM0332C1H8R3BA01# | |
| | | | | ±0.25pF | GRM0332C1H8R3CA01# | |
| | | | | ±0.5pF | GRM0332C1H8R3DA01# | |
| | | | 8.4pF | ±0.05pF | GRM0332C1H8R4WA01# | |
| | | | | ±0.1pF | GRM0332C1H8R4BA01# | |
| | | | | ±0.25pF | GRM0332C1H8R4CA01# | |
| | | | | ±0.5pF | GRM0332C1H8R4DA01# | |
| | | | 8.5pF | ±0.05pF | GRM0332C1H8R5WA01# | |
| | | | | ±0.1pF | GRM0332C1H8R5BA01# | |
| | | | | ±0.25pF | GRM0332C1H8R5CA01# | |
| | | | | ±0.5pF | GRM0332C1H8R5DA01# | |
| | | | 8.6pF | ±0.05pF | GRM0332C1H8R6WA01# | |
| | | | | ±0.1pF | GRM0332C1H8R6BA01# | |
| | | | | ±0.25pF | GRM0332C1H8R6CA01# | |
| | | | | ±0.5pF | GRM0332C1H8R6DA01# | |
| | | | 8.7pF | ±0.05pF | GRM0332C1H8R7WA01# | |
| | | | | ±0.1pF | GRM0332C1H8R7BA01# | |
| | | | | ±0.25pF | GRM0332C1H8R7CA01# | |
| | | | | ±0.5pF | GRM0332C1H8R7DA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | CH | 8.8pF | ±0.05pF | GRM0332C1H8R8WA01# | |
| | | | | ±0.1pF | GRM0332C1H8R8BA01# | |
| | | | | ±0.25pF | GRM0332C1H8R8CA01# | |
| | | | | ±0.5pF | GRM0332C1H8R8DA01# | |
| | | | 8.9pF | ±0.05pF | GRM0332C1H8R9WA01# | |
| | | | | ±0.1pF | GRM0332C1H8R9BA01# | |
| | | | | ±0.25pF | GRM0332C1H8R9CA01# | |
| | | | | ±0.5pF | GRM0332C1H8R9DA01# | |
| | | | 9.0pF | ±0.05pF | GRM0332C1H9R0WA01# | |
| | | | | ±0.1pF | GRM0332C1H9R0BA01# | |
| | | | | ±0.25pF | GRM0332C1H9R0CA01# | |
| | | | | ±0.5pF | GRM0332C1H9R0DA01# | |
| | | | 9.1pF | ±0.05pF | GRM0332C1H9R1WA01# | |
| | | | | ±0.1pF | GRM0332C1H9R1BA01# | |
| | | | | ±0.25pF | GRM0332C1H9R1CA01# | |
| | | | | ±0.5pF | GRM0332C1H9R1DA01# | |
| | | | 9.2pF | ±0.05pF | GRM0332C1H9R2WA01# | |
| | | | | ±0.1pF | GRM0332C1H9R2BA01# | |
| | | | | ±0.25pF | GRM0332C1H9R2CA01# | |
| | | | | ±0.5pF | GRM0332C1H9R2DA01# | |
| | | | 9.3pF | ±0.05pF | GRM0332C1H9R3WA01# | |
| | | | | ±0.1pF | GRM0332C1H9R3BA01# | |
| | | | | ±0.25pF | GRM0332C1H9R3CA01# | |
| | | | | ±0.5pF | GRM0332C1H9R3DA01# | |
| | | | 9.4pF | ±0.05pF | GRM0332C1H9R4WA01# | |
| | | | | ±0.1pF | GRM0332C1H9R4BA01# | |
| | | | | ±0.25pF | GRM0332C1H9R4CA01# | |
| | | | | ±0.5pF | GRM0332C1H9R4DA01# | |
| | | | 9.5pF | ±0.05pF | GRM0332C1H9R5WA01# | |
| | | | | ±0.1pF | GRM0332C1H9R5BA01# | |
| | | | | ±0.25pF | GRM0332C1H9R5CA01# | |
| | | | | ±0.5pF | GRM0332C1H9R5DA01# | |
| | | | 9.6pF | ±0.05pF | GRM0332C1H9R6WA01# | |
| | | | | ±0.1pF | GRM0332C1H9R6BA01# | |
| | | | | ±0.25pF | GRM0332C1H9R6CA01# | |
| | | | | ±0.5pF | GRM0332C1H9R6DA01# | |
| | | | 9.7pF | ±0.05pF | GRM0332C1H9R7WA01# | |
| | | | | ±0.1pF | GRM0332C1H9R7BA01# | |
| | | | | ±0.25pF | GRM0332C1H9R7CA01# | |
| | | | | ±0.5pF | GRM0332C1H9R7DA01# | |
| | | | 9.8pF | ±0.05pF | GRM0332C1H9R8WA01# | |
| | | | | ±0.1pF | GRM0332C1H9R8BA01# | |
| | | | | ±0.25pF | GRM0332C1H9R8CA01# | |
| | | | | ±0.5pF | GRM0332C1H9R8DA01# | |
| | | | 9.9pF | ±0.05pF | GRM0332C1H9R9WA01# | |
| | | | | ±0.1pF | GRM0332C1H9R9BA01# | |
| | | | | ±0.25pF | GRM0332C1H9R9CA01# | |
| | | | | ±0.5pF | GRM0332C1H9R9DA01# | |
| | | | 10pF | ±2% | GRM0332C1H100GA01# | |
| | | | | ±5% | GRM0332C1H100JA01# | |
| | | | 12pF | ±2% | GRM0332C1H120GA01# | |
| | | | | ±5% | GRM0332C1H120JA01# | |
| | | | 15pF | ±2% | GRM0332C1H150GA01# | |
| | | | | ±5% | GRM0332C1H150JA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | CH | 18pF | ±2% | GRM0332C1H180GA01# | |
| | | | | ±5% | GRM0332C1H180JA01# | |
| | | | 22pF | ±2% | GRM0332C1H220GA01# | |
| | | | | ±5% | GRM0332C1H220JA01# | |
| | | | 27pF | ±2% | GRM0332C1H270GA01# | |
| | | | | ±5% | GRM0332C1H270JA01# | |
| | | | 33pF | ±2% | GRM0332C1H330GA01# | |
| | | | | ±5% | GRM0332C1H330JA01# | |
| | | | 39pF | ±2% | GRM0332C1H390GA01# | |
| | | | | ±5% | GRM0332C1H390JA01# | |
| | | | 47pF | ±2% | GRM0332C1H470GA01# | |
| | | | | ±5% | GRM0332C1H470JA01# | |
| | | | 56pF | ±2% | GRM0332C1H560GA01# | |
| | | | | ±5% | GRM0332C1H560JA01# | |
| | | | 68pF | ±2% | GRM0332C1H680GA01# | |
| | | | | ±5% | GRM0332C1H680JA01# | |
| | | | 82pF | ±2% | GRM0332C1H820GA01# | |
| | | | | ±5% | GRM0332C1H820JA01# | |
| | | | 100pF | ±2% | GRM0332C1H101GA01# | |
| | | | | ±5% | GRM0332C1H101JA01# | |
| | | | 120pF | ±2% | GRM0332C1H121GA01# | |
| | | | | ±5% | GRM0332C1H121JA01# | |
| | | | 150pF | ±2% | GRM0332C1H151GA01# | |
| | | | | ±5% | GRM0332C1H151JA01# | |
| | | | 180pF | ±2% | GRM0332C1H181GA01# | |
| | | | | ±5% | GRM0332C1H181JA01# | |
| | | | 220pF | ±2% | GRM0332C1H221GA01# | |
| | | | | ±5% | GRM0332C1H221JA01# | |
| | 25Vdc | C0G | 270pF | ±2% | GRM0335C1E271GA01# | |
| | | | | ±5% | GRM0335C1E271JA01# | |
| | | | 330pF | ±2% | GRM0335C1E331GA01# | |
| | | | | ±5% | GRM0335C1E331JA01# | |
| | | | 390pF | ±2% | GRM0335C1E391GA01# | |
| | | | | ±5% | GRM0335C1E391JA01# | |
| | | | 470pF | ±2% | GRM0335C1E471GA01# | |
| | | | | ±5% | GRM0335C1E471JA01# | |
| | | | 560pF | ±2% | GRM0335C1E561GA01# | |
| | | | | ±5% | GRM0335C1E561JA01# | |
| | | | 680pF | ±2% | GRM0335C1E681GA01# | |
| | | | | ±5% | GRM0335C1E681JA01# | |
| | | | 820pF | ±2% | GRM0335C1E821GA01# | |
| | | | | ±5% | GRM0335C1E821JA01# | |
| | | | 910pF | ±2% | GRM0335C1E911GA01# | |
| | | | | ±5% | GRM0335C1E911JA01# | |
| | | | 1000pF | ±2% | GRM0335C1E102GA01# | |
| | | | | ±5% | GRM0335C1E102JA01# | |
| | | CH | 270pF | ±2% | GRM0332C1E271GA01# | |
| | | | | ±5% | GRM0332C1E271JA01# | |
| | | | 330pF | ±2% | GRM0332C1E331GA01# | |
| | | | | ±5% | GRM0332C1E331JA01# | |
| | | | 390pF | ±2% | GRM0332C1E391GA01# | |
| | | | | ±5% | GRM0332C1E391JA01# | |
| | | | 470pF | ±2% | GRM0332C1E471GA01# | |
| | | | | ±5% | GRM0332C1E471JA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 25Vdc | CH | 560pF | ±2% | GRM0332C1E561GA01# | |
| | | | | ±5% | GRM0332C1E561JA01# | |
| | | | 680pF | ±2% | GRM0332C1E681GA01# | |
| | | | | ±5% | GRM0332C1E681JA01# | |
| | | | 820pF | ±2% | GRM0332C1E821GA01# | |
| | | | | ±5% | GRM0332C1E821JA01# | |
| | | | 1000pF | ±2% | GRM0332C1E102GA01# | |
| | | | | ±5% | GRM0332C1E102JA01# | |

1.0×0.5mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | C0G | 0.10pF | ±0.05pF | GRM1555C2AR10WA01# | |
| | | | 0.20pF | ±0.05pF | GRM1555C2AR20WA01# | |
| | | | | ±0.1pF | GRM1555C2AR20BA01# | |
| | | | 0.30pF | ±0.05pF | GRM1555C2AR30WA01# | |
| | | | | ±0.1pF | GRM1555C2AR30BA01# | |
| | | | 0.40pF | ±0.05pF | GRM1555C2AR40WA01# | |
| | | | | ±0.1pF | GRM1555C2AR40BA01# | |
| | | | 0.50pF | ±0.05pF | GRM1555C2AR50WA01# | |
| | | | | ±0.1pF | GRM1555C2AR50BA01# | |
| | | | 0.60pF | ±0.05pF | GRM1555C2AR60WA01# | |
| | | | | ±0.1pF | GRM1555C2AR60BA01# | |
| | | | 0.70pF | ±0.05pF | GRM1555C2AR70WA01# | |
| | | | | ±0.1pF | GRM1555C2AR70BA01# | |
| | | | 0.80pF | ±0.05pF | GRM1555C2AR80WA01# | |
| | | | | ±0.1pF | GRM1555C2AR80BA01# | |
| | | | 0.90pF | ±0.05pF | GRM1555C2AR90WA01# | |
| | | | | ±0.1pF | GRM1555C2AR90BA01# | |
| | | | 1.0pF | ±0.05pF | GRM1555C2A1R0WA01# | |
| | | | | ±0.1pF | GRM1555C2A1R0BA01# | |
| | | | | ±0.25pF | GRM1555C2A1R0CA01# | |
| | | | 1.1pF | ±0.05pF | GRM1555C2A1R1WA01# | |
| | | | | ±0.1pF | GRM1555C2A1R1BA01# | |
| | | | | ±0.25pF | GRM1555C2A1R1CA01# | |
| | | | 1.2pF | ±0.05pF | GRM1555C2A1R2WA01# | |
| | | | | ±0.1pF | GRM1555C2A1R2BA01# | |
| | | | | ±0.25pF | GRM1555C2A1R2CA01# | |
| | | | 1.3pF | ±0.05pF | GRM1555C2A1R3WA01# | |
| | | | | ±0.1pF | GRM1555C2A1R3BA01# | |
| | | | | ±0.25pF | GRM1555C2A1R3CA01# | |
| | | | 1.4pF | ±0.05pF | GRM1555C2A1R4WA01# | |
| | | | | ±0.1pF | GRM1555C2A1R4BA01# | |
| | | | | ±0.25pF | GRM1555C2A1R4CA01# | |
| | | | 1.5pF | ±0.05pF | GRM1555C2A1R5WA01# | |
| | | | | ±0.1pF | GRM1555C2A1R5BA01# | |
| | | | | ±0.25pF | GRM1555C2A1R5CA01# | |
| | | | 1.6pF | ±0.05pF | GRM1555C2A1R6WA01# | |
| | | | | ±0.1pF | GRM1555C2A1R6BA01# | |
| | | | | ±0.25pF | GRM1555C2A1R6CA01# | |
| | | | 1.7pF | ±0.05pF | GRM1555C2A1R7WA01# | |
| | | | | ±0.1pF | GRM1555C2A1R7BA01# | |
| | | | | ±0.25pF | GRM1555C2A1R7CA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | C0G | 1.8pF | ±0.05pF | **GRM1555C2A1R8WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A1R8BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A1R8CA01#** | |
| | | | 1.9pF | ±0.05pF | **GRM1555C2A1R9WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A1R9BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A1R9CA01#** | |
| | | | 2.0pF | ±0.05pF | **GRM1555C2A2R0WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A2R0BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A2R0CA01#** | |
| | | | 2.1pF | ±0.05pF | **GRM1555C2A2R1WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A2R1BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A2R1CA01#** | |
| | | | 2.2pF | ±0.05pF | **GRM1555C2A2R2WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A2R2BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A2R2CA01#** | |
| | | | 2.3pF | ±0.05pF | **GRM1555C2A2R3WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A2R3BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A2R3CA01#** | |
| | | | 2.4pF | ±0.05pF | **GRM1555C2A2R4WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A2R4BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A2R4CA01#** | |
| | | | 2.5pF | ±0.05pF | **GRM1555C2A2R5WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A2R5BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A2R5CA01#** | |
| | | | 2.6pF | ±0.05pF | **GRM1555C2A2R6WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A2R6BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A2R6CA01#** | |
| | | | 2.7pF | ±0.05pF | **GRM1555C2A2R7WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A2R7BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A2R7CA01#** | |
| | | | 2.8pF | ±0.05pF | **GRM1555C2A2R8WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A2R8BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A2R8CA01#** | |
| | | | 2.9pF | ±0.05pF | **GRM1555C2A2R9WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A2R9BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A2R9CA01#** | |
| | | | 3.0pF | ±0.05pF | **GRM1555C2A3R0WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A3R0BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A3R0CA01#** | |
| | | | 3.1pF | ±0.05pF | **GRM1555C2A3R1WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A3R1BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A3R1CA01#** | |
| | | | 3.2pF | ±0.05pF | **GRM1555C2A3R2WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A3R2BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A3R2CA01#** | |
| | | | 3.3pF | ±0.05pF | **GRM1555C2A3R3WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A3R3BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A3R3CA01#** | |
| | | | 3.4pF | ±0.05pF | **GRM1555C2A3R4WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A3R4BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A3R4CA01#** | |
| | | | 3.5pF | ±0.05pF | **GRM1555C2A3R5WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A3R5BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A3R5CA01#** | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | C0G | 3.6pF | ±0.05pF | **GRM1555C2A3R6WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A3R6BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A3R6CA01#** | |
| | | | 3.7pF | ±0.05pF | **GRM1555C2A3R7WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A3R7BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A3R7CA01#** | |
| | | | 3.8pF | ±0.05pF | **GRM1555C2A3R8WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A3R8BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A3R8CA01#** | |
| | | | 3.9pF | ±0.05pF | **GRM1555C2A3R9WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A3R9BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A3R9CA01#** | |
| | | | 4.0pF | ±0.05pF | **GRM1555C2A4R0WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A4R0BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A4R0CA01#** | |
| | | | 4.1pF | ±0.05pF | **GRM1555C2A4R1WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A4R1BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A4R1CA01#** | |
| | | | 4.2pF | ±0.05pF | **GRM1555C2A4R2WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A4R2BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A4R2CA01#** | |
| | | | 4.3pF | ±0.05pF | **GRM1555C2A4R3WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A4R3BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A4R3CA01#** | |
| | | | 4.4pF | ±0.05pF | **GRM1555C2A4R4WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A4R4BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A4R4CA01#** | |
| | | | 4.5pF | ±0.05pF | **GRM1555C2A4R5WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A4R5BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A4R5CA01#** | |
| | | | 4.6pF | ±0.05pF | **GRM1555C2A4R6WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A4R6BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A4R6CA01#** | |
| | | | 4.7pF | ±0.05pF | **GRM1555C2A4R7WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A4R7BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A4R7CA01#** | |
| | | | 4.8pF | ±0.05pF | **GRM1555C2A4R8WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A4R8BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A4R8CA01#** | |
| | | | 4.9pF | ±0.05pF | **GRM1555C2A4R9WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A4R9BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A4R9CA01#** | |
| | | | 5.0pF | ±0.05pF | **GRM1555C2A5R0WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A5R0BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A5R0CA01#** | |
| | | | 5.1pF | ±0.05pF | **GRM1555C2A5R1WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A5R1BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A5R1CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A5R1DA01#** | |
| | | | 5.2pF | ±0.05pF | **GRM1555C2A5R2WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A5R2BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A5R2CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A5R2DA01#** | |
| | | | 5.3pF | ±0.05pF | **GRM1555C2A5R3WA01#** | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | C0G | 5.3pF | ±0.1pF | **GRM1555C2A5R3BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A5R3CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A5R3DA01#** | |
| | | | 5.4pF | ±0.05pF | **GRM1555C2A5R4WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A5R4BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A5R4CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A5R4DA01#** | |
| | | | 5.5pF | ±0.05pF | **GRM1555C2A5R5WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A5R5BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A5R5CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A5R5DA01#** | |
| | | | 5.6pF | ±0.05pF | **GRM1555C2A5R6WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A5R6BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A5R6CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A5R6DA01#** | |
| | | | 5.7pF | ±0.05pF | **GRM1555C2A5R7WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A5R7BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A5R7CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A5R7DA01#** | |
| | | | 5.8pF | ±0.05pF | **GRM1555C2A5R8WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A5R8BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A5R8CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A5R8DA01#** | |
| | | | 5.9pF | ±0.05pF | **GRM1555C2A5R9WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A5R9BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A5R9CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A5R9DA01#** | |
| | | | 6.0pF | ±0.05pF | **GRM1555C2A6R0WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A6R0BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A6R0CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A6R0DA01#** | |
| | | | 6.1pF | ±0.05pF | **GRM1555C2A6R1WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A6R1BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A6R1CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A6R1DA01#** | |
| | | | 6.2pF | ±0.05pF | **GRM1555C2A6R2WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A6R2BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A6R2CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A6R2DA01#** | |
| | | | 6.3pF | ±0.05pF | **GRM1555C2A6R3WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A6R3BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A6R3CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A6R3DA01#** | |
| | | | 6.4pF | ±0.05pF | **GRM1555C2A6R4WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A6R4BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A6R4CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A6R4DA01#** | |
| | | | 6.5pF | ±0.05pF | **GRM1555C2A6R5WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A6R5BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A6R5CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A6R5DA01#** | |
| | | | 6.6pF | ±0.05pF | **GRM1555C2A6R6WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A6R6BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A6R6CA01#** | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | C0G | 6.6pF | ±0.5pF | **GRM1555C2A6R6DA01#** | |
| | | | 6.7pF | ±0.05pF | **GRM1555C2A6R7WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A6R7BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A6R7CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A6R7DA01#** | |
| | | | 6.8pF | ±0.05pF | **GRM1555C2A6R8WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A6R8BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A6R8CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A6R8DA01#** | |
| | | | 6.9pF | ±0.05pF | **GRM1555C2A6R9WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A6R9BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A6R9CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A6R9DA01#** | |
| | | | 7.0pF | ±0.05pF | **GRM1555C2A7R0WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A7R0BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A7R0CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A7R0DA01#** | |
| | | | 7.1pF | ±0.05pF | **GRM1555C2A7R1WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A7R1BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A7R1CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A7R1DA01#** | |
| | | | 7.2pF | ±0.05pF | **GRM1555C2A7R2WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A7R2BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A7R2CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A7R2DA01#** | |
| | | | 7.3pF | ±0.05pF | **GRM1555C2A7R3WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A7R3BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A7R3CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A7R3DA01#** | |
| | | | 7.4pF | ±0.05pF | **GRM1555C2A7R4WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A7R4BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A7R4CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A7R4DA01#** | |
| | | | 7.5pF | ±0.05pF | **GRM1555C2A7R5WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A7R5BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A7R5CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A7R5DA01#** | |
| | | | 7.6pF | ±0.05pF | **GRM1555C2A7R6WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A7R6BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A7R6CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A7R6DA01#** | |
| | | | 7.7pF | ±0.05pF | **GRM1555C2A7R7WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A7R7BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A7R7CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A7R7DA01#** | |
| | | | 7.8pF | ±0.05pF | **GRM1555C2A7R8WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A7R8BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A7R8CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A7R8DA01#** | |
| | | | 7.9pF | ±0.05pF | **GRM1555C2A7R9WA01#** | |
| | | | | ±0.1pF | **GRM1555C2A7R9BA01#** | |
| | | | | ±0.25pF | **GRM1555C2A7R9CA01#** | |
| | | | | ±0.5pF | **GRM1555C2A7R9DA01#** | |
| | | | 8.0pF | ±0.05pF | **GRM1555C2A8R0WA01#** | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | C0G | 8.0pF | ±0.1pF | GRM1555C2A8R0BA01# | |
| | | | | ±0.25pF | GRM1555C2A8R0CA01# | |
| | | | | ±0.5pF | GRM1555C2A8R0DA01# | |
| | | | 8.1pF | ±0.05pF | GRM1555C2A8R1WA01# | |
| | | | | ±0.1pF | GRM1555C2A8R1BA01# | |
| | | | | ±0.25pF | GRM1555C2A8R1CA01# | |
| | | | | ±0.5pF | GRM1555C2A8R1DA01# | |
| | | | 8.2pF | ±0.05pF | GRM1555C2A8R2WA01# | |
| | | | | ±0.1pF | GRM1555C2A8R2BA01# | |
| | | | | ±0.25pF | GRM1555C2A8R2CA01# | |
| | | | | ±0.5pF | GRM1555C2A8R2DA01# | |
| | | | 8.3pF | ±0.05pF | GRM1555C2A8R3WA01# | |
| | | | | ±0.1pF | GRM1555C2A8R3BA01# | |
| | | | | ±0.25pF | GRM1555C2A8R3CA01# | |
| | | | | ±0.5pF | GRM1555C2A8R3DA01# | |
| | | | 8.4pF | ±0.05pF | GRM1555C2A8R4WA01# | |
| | | | | ±0.1pF | GRM1555C2A8R4BA01# | |
| | | | | ±0.25pF | GRM1555C2A8R4CA01# | |
| | | | | ±0.5pF | GRM1555C2A8R4DA01# | |
| | | | 8.5pF | ±0.05pF | GRM1555C2A8R5WA01# | |
| | | | | ±0.1pF | GRM1555C2A8R5BA01# | |
| | | | | ±0.25pF | GRM1555C2A8R5CA01# | |
| | | | | ±0.5pF | GRM1555C2A8R5DA01# | |
| | | | 8.6pF | ±0.05pF | GRM1555C2A8R6WA01# | |
| | | | | ±0.1pF | GRM1555C2A8R6BA01# | |
| | | | | ±0.25pF | GRM1555C2A8R6CA01# | |
| | | | | ±0.5pF | GRM1555C2A8R6DA01# | |
| | | | 8.7pF | ±0.05pF | GRM1555C2A8R7WA01# | |
| | | | | ±0.1pF | GRM1555C2A8R7BA01# | |
| | | | | ±0.25pF | GRM1555C2A8R7CA01# | |
| | | | | ±0.5pF | GRM1555C2A8R7DA01# | |
| | | | 8.8pF | ±0.05pF | GRM1555C2A8R8WA01# | |
| | | | | ±0.1pF | GRM1555C2A8R8BA01# | |
| | | | | ±0.25pF | GRM1555C2A8R8CA01# | |
| | | | | ±0.5pF | GRM1555C2A8R8DA01# | |
| | | | 8.9pF | ±0.05pF | GRM1555C2A8R9WA01# | |
| | | | | ±0.1pF | GRM1555C2A8R9BA01# | |
| | | | | ±0.25pF | GRM1555C2A8R9CA01# | |
| | | | | ±0.5pF | GRM1555C2A8R9DA01# | |
| | | | 9.0pF | ±0.05pF | GRM1555C2A9R0WA01# | |
| | | | | ±0.1pF | GRM1555C2A9R0BA01# | |
| | | | | ±0.25pF | GRM1555C2A9R0CA01# | |
| | | | | ±0.5pF | GRM1555C2A9R0DA01# | |
| | | | 9.1pF | ±0.05pF | GRM1555C2A9R1WA01# | |
| | | | | ±0.1pF | GRM1555C2A9R1BA01# | |
| | | | | ±0.25pF | GRM1555C2A9R1CA01# | |
| | | | | ±0.5pF | GRM1555C2A9R1DA01# | |
| | | | 9.2pF | ±0.05pF | GRM1555C2A9R2WA01# | |
| | | | | ±0.1pF | GRM1555C2A9R2BA01# | |
| | | | | ±0.25pF | GRM1555C2A9R2CA01# | |
| | | | | ±0.5pF | GRM1555C2A9R2DA01# | |
| | | | 9.3pF | ±0.05pF | GRM1555C2A9R3WA01# | |
| | | | | ±0.1pF | GRM1555C2A9R3BA01# | |
| | | | | ±0.25pF | GRM1555C2A9R3CA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | C0G | 9.3pF | ±0.5pF | GRM1555C2A9R3DA01# | |
| | | | 9.4pF | ±0.05pF | GRM1555C2A9R4WA01# | |
| | | | | ±0.1pF | GRM1555C2A9R4BA01# | |
| | | | | ±0.25pF | GRM1555C2A9R4CA01# | |
| | | | | ±0.5pF | GRM1555C2A9R4DA01# | |
| | | | 9.5pF | ±0.05pF | GRM1555C2A9R5WA01# | |
| | | | | ±0.1pF | GRM1555C2A9R5BA01# | |
| | | | | ±0.25pF | GRM1555C2A9R5CA01# | |
| | | | | ±0.5pF | GRM1555C2A9R5DA01# | |
| | | | 9.6pF | ±0.05pF | GRM1555C2A9R6WA01# | |
| | | | | ±0.1pF | GRM1555C2A9R6BA01# | |
| | | | | ±0.25pF | GRM1555C2A9R6CA01# | |
| | | | | ±0.5pF | GRM1555C2A9R6DA01# | |
| | | | 9.7pF | ±0.05pF | GRM1555C2A9R7WA01# | |
| | | | | ±0.1pF | GRM1555C2A9R7BA01# | |
| | | | | ±0.25pF | GRM1555C2A9R7CA01# | |
| | | | | ±0.5pF | GRM1555C2A9R7DA01# | |
| | | | 9.8pF | ±0.05pF | GRM1555C2A9R8WA01# | |
| | | | | ±0.1pF | GRM1555C2A9R8BA01# | |
| | | | | ±0.25pF | GRM1555C2A9R8CA01# | |
| | | | | ±0.5pF | GRM1555C2A9R8DA01# | |
| | | | 9.9pF | ±0.05pF | GRM1555C2A9R9WA01# | |
| | | | | ±0.1pF | GRM1555C2A9R9BA01# | |
| | | | | ±0.25pF | GRM1555C2A9R9CA01# | |
| | | | | ±0.5pF | GRM1555C2A9R9DA01# | |
| | | | 10pF | ±2% | GRM1555C2A100GA01# | |
| | | | | ±5% | GRM1555C2A100JA01# | |
| | | | 12pF | ±2% | GRM1555C2A120GA01# | |
| | | | | ±5% | GRM1555C2A120JA01# | |
| | | | 15pF | ±2% | GRM1555C2A150GA01# | |
| | | | | ±5% | GRM1555C2A150JA01# | |
| | | | 18pF | ±2% | GRM1555C2A180GA01# | |
| | | | | ±5% | GRM1555C2A180JA01# | |
| | | | 22pF | ±2% | GRM1555C2A220GA01# | |
| | | | | ±5% | GRM1555C2A220JA01# | |
| | | | 27pF | ±2% | GRM1555C2A270GA01# | |
| | | | | ±5% | GRM1555C2A270JA01# | |
| | | | 33pF | ±2% | GRM1555C2A330GA01# | |
| | | | | ±5% | GRM1555C2A330JA01# | |
| | | | 39pF | ±2% | GRM1555C2A390GA01# | |
| | | | | ±5% | GRM1555C2A390JA01# | |
| | | | 47pF | ±2% | GRM1555C2A470GA01# | |
| | | | | ±5% | GRM1555C2A470JA01# | |
| | | | 56pF | ±2% | GRM1555C2A560GA01# | |
| | | | | ±5% | GRM1555C2A560JA01# | |
| | | | 68pF | ±2% | GRM1555C2A680GA01# | |
| | | | | ±5% | GRM1555C2A680JA01# | |
| | | | 82pF | ±2% | GRM1555C2A820GA01# | |
| | | | | ±5% | GRM1555C2A820JA01# | |
| | | | 100pF | ±2% | GRM1555C2A101GA01# | |
| | | | | ±5% | GRM1555C2A101JA01# | |
| | | CK | 0.10pF | ±0.05pF | GRM1554C2AR10WA01# | |
| | | | 0.20pF | ±0.05pF | GRM1554C2AR20WA01# | |
| | | | | ±0.1pF | GRM1554C2AR20BA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | CK | 0.30pF | ±0.05pF | GRM1554C2AR30WA01# | |
| | | | | ±0.1pF | GRM1554C2AR30BA01# | |
| | | | 0.40pF | ±0.05pF | GRM1554C2AR40WA01# | |
| | | | | ±0.1pF | GRM1554C2AR40BA01# | |
| | | | 0.50pF | ±0.05pF | GRM1554C2AR50WA01# | |
| | | | | ±0.1pF | GRM1554C2AR50BA01# | |
| | | | 0.60pF | ±0.05pF | GRM1554C2AR60WA01# | |
| | | | | ±0.1pF | GRM1554C2AR60BA01# | |
| | | | 0.70pF | ±0.05pF | GRM1554C2AR70WA01# | |
| | | | | ±0.1pF | GRM1554C2AR70BA01# | |
| | | | 0.80pF | ±0.05pF | GRM1554C2AR80WA01# | |
| | | | | ±0.1pF | GRM1554C2AR80BA01# | |
| | | | 0.90pF | ±0.05pF | GRM1554C2AR90WA01# | |
| | | | | ±0.1pF | GRM1554C2AR90BA01# | |
| | | | 1.0pF | ±0.05pF | GRM1554C2A1R0WA01# | |
| | | | | ±0.1pF | GRM1554C2A1R0BA01# | |
| | | | | ±0.25pF | GRM1554C2A1R0CA01# | |
| | | | 1.1pF | ±0.05pF | GRM1554C2A1R1WA01# | |
| | | | | ±0.1pF | GRM1554C2A1R1BA01# | |
| | | | | ±0.25pF | GRM1554C2A1R1CA01# | |
| | | | 1.2pF | ±0.05pF | GRM1554C2A1R2WA01# | |
| | | | | ±0.1pF | GRM1554C2A1R2BA01# | |
| | | | | ±0.25pF | GRM1554C2A1R2CA01# | |
| | | | 1.3pF | ±0.05pF | GRM1554C2A1R3WA01# | |
| | | | | ±0.1pF | GRM1554C2A1R3BA01# | |
| | | | | ±0.25pF | GRM1554C2A1R3CA01# | |
| | | | 1.4pF | ±0.05pF | GRM1554C2A1R4WA01# | |
| | | | | ±0.1pF | GRM1554C2A1R4BA01# | |
| | | | | ±0.25pF | GRM1554C2A1R4CA01# | |
| | | | 1.5pF | ±0.05pF | GRM1554C2A1R5WA01# | |
| | | | | ±0.1pF | GRM1554C2A1R5BA01# | |
| | | | | ±0.25pF | GRM1554C2A1R5CA01# | |
| | | | 1.6pF | ±0.05pF | GRM1554C2A1R6WA01# | |
| | | | | ±0.1pF | GRM1554C2A1R6BA01# | |
| | | | | ±0.25pF | GRM1554C2A1R6CA01# | |
| | | | 1.7pF | ±0.05pF | GRM1554C2A1R7WA01# | |
| | | | | ±0.1pF | GRM1554C2A1R7BA01# | |
| | | | | ±0.25pF | GRM1554C2A1R7CA01# | |
| | | | 1.8pF | ±0.05pF | GRM1554C2A1R8WA01# | |
| | | | | ±0.1pF | GRM1554C2A1R8BA01# | |
| | | | | ±0.25pF | GRM1554C2A1R8CA01# | |
| | | | 1.9pF | ±0.05pF | GRM1554C2A1R9WA01# | |
| | | | | ±0.1pF | GRM1554C2A1R9BA01# | |
| | | | | ±0.25pF | GRM1554C2A1R9CA01# | |
| | | | 2.0pF | ±0.05pF | GRM1554C2A2R0WA01# | |
| | | | | ±0.1pF | GRM1554C2A2R0BA01# | |
| | | | | ±0.25pF | GRM1554C2A2R0CA01# | |
| | | CJ | 2.1pF | ±0.05pF | GRM1553C2A2R1WA01# | |
| | | | | ±0.1pF | GRM1553C2A2R1BA01# | |
| | | | | ±0.25pF | GRM1553C2A2R1CA01# | |
| | | | 2.2pF | ±0.05pF | GRM1553C2A2R2WA01# | |
| | | | | ±0.1pF | GRM1553C2A2R2BA01# | |
| | | | | ±0.25pF | GRM1553C2A2R2CA01# | |
| | | | 2.3pF | ±0.05pF | GRM1553C2A2R3WA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | CJ | 2.3pF | ±0.1pF | GRM1553C2A2R3BA01# | |
| | | | | ±0.25pF | GRM1553C2A2R3CA01# | |
| | | | 2.4pF | ±0.05pF | GRM1553C2A2R4WA01# | |
| | | | | ±0.1pF | GRM1553C2A2R4BA01# | |
| | | | | ±0.25pF | GRM1553C2A2R4CA01# | |
| | | | 2.5pF | ±0.05pF | GRM1553C2A2R5WA01# | |
| | | | | ±0.1pF | GRM1553C2A2R5BA01# | |
| | | | | ±0.25pF | GRM1553C2A2R5CA01# | |
| | | | 2.6pF | ±0.05pF | GRM1553C2A2R6WA01# | |
| | | | | ±0.1pF | GRM1553C2A2R6BA01# | |
| | | | | ±0.25pF | GRM1553C2A2R6CA01# | |
| | | | 2.7pF | ±0.05pF | GRM1553C2A2R7WA01# | |
| | | | | ±0.1pF | GRM1553C2A2R7BA01# | |
| | | | | ±0.25pF | GRM1553C2A2R7CA01# | |
| | | | 2.8pF | ±0.05pF | GRM1553C2A2R8WA01# | |
| | | | | ±0.1pF | GRM1553C2A2R8BA01# | |
| | | | | ±0.25pF | GRM1553C2A2R8CA01# | |
| | | | 2.9pF | ±0.05pF | GRM1553C2A2R9WA01# | |
| | | | | ±0.1pF | GRM1553C2A2R9BA01# | |
| | | | | ±0.25pF | GRM1553C2A2R9CA01# | |
| | | | 3.0pF | ±0.05pF | GRM1553C2A3R0WA01# | |
| | | | | ±0.1pF | GRM1553C2A3R0BA01# | |
| | | | | ±0.25pF | GRM1553C2A3R0CA01# | |
| | | | 3.1pF | ±0.05pF | GRM1553C2A3R1WA01# | |
| | | | | ±0.1pF | GRM1553C2A3R1BA01# | |
| | | | | ±0.25pF | GRM1553C2A3R1CA01# | |
| | | | 3.2pF | ±0.05pF | GRM1553C2A3R2WA01# | |
| | | | | ±0.1pF | GRM1553C2A3R2BA01# | |
| | | | | ±0.25pF | GRM1553C2A3R2CA01# | |
| | | | 3.3pF | ±0.05pF | GRM1553C2A3R3WA01# | |
| | | | | ±0.1pF | GRM1553C2A3R3BA01# | |
| | | | | ±0.25pF | GRM1553C2A3R3CA01# | |
| | | | 3.4pF | ±0.05pF | GRM1553C2A3R4WA01# | |
| | | | | ±0.1pF | GRM1553C2A3R4BA01# | |
| | | | | ±0.25pF | GRM1553C2A3R4CA01# | |
| | | | 3.5pF | ±0.05pF | GRM1553C2A3R5WA01# | |
| | | | | ±0.1pF | GRM1553C2A3R5BA01# | |
| | | | | ±0.25pF | GRM1553C2A3R5CA01# | |
| | | | 3.6pF | ±0.05pF | GRM1553C2A3R6WA01# | |
| | | | | ±0.1pF | GRM1553C2A3R6BA01# | |
| | | | | ±0.25pF | GRM1553C2A3R6CA01# | |
| | | | 3.7pF | ±0.05pF | GRM1553C2A3R7WA01# | |
| | | | | ±0.1pF | GRM1553C2A3R7BA01# | |
| | | | | ±0.25pF | GRM1553C2A3R7CA01# | |
| | | | 3.8pF | ±0.05pF | GRM1553C2A3R8WA01# | |
| | | | | ±0.1pF | GRM1553C2A3R8BA01# | |
| | | | | ±0.25pF | GRM1553C2A3R8CA01# | |
| | | | 3.9pF | ±0.05pF | GRM1553C2A3R9WA01# | |
| | | | | ±0.1pF | GRM1553C2A3R9BA01# | |
| | | | | ±0.25pF | GRM1553C2A3R9CA01# | |
| | | CH | 4.0pF | ±0.05pF | GRM1552C2A4R0WA01# | |
| | | | | ±0.1pF | GRM1552C2A4R0BA01# | |
| | | | | ±0.25pF | GRM1552C2A4R0CA01# | |
| | | | 4.1pF | ±0.05pF | GRM1552C2A4R1WA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | CH | 4.1pF | ±0.1pF | **GRM1552C2A4R1BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A4R1CA01#** | |
| | | | 4.2pF | ±0.05pF | **GRM1552C2A4R2WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A4R2BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A4R2CA01#** | |
| | | | 4.3pF | ±0.05pF | **GRM1552C2A4R3WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A4R3BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A4R3CA01#** | |
| | | | 4.4pF | ±0.05pF | **GRM1552C2A4R4WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A4R4BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A4R4CA01#** | |
| | | | 4.5pF | ±0.05pF | **GRM1552C2A4R5WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A4R5BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A4R5CA01#** | |
| | | | 4.6pF | ±0.05pF | **GRM1552C2A4R6WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A4R6BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A4R6CA01#** | |
| | | | 4.7pF | ±0.05pF | **GRM1552C2A4R7WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A4R7BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A4R7CA01#** | |
| | | | 4.8pF | ±0.05pF | **GRM1552C2A4R8WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A4R8BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A4R8CA01#** | |
| | | | 4.9pF | ±0.05pF | **GRM1552C2A4R9WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A4R9BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A4R9CA01#** | |
| | | | 5.0pF | ±0.05pF | **GRM1552C2A5R0WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A5R0BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A5R0CA01#** | |
| | | | 5.1pF | ±0.05pF | **GRM1552C2A5R1WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A5R1BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A5R1CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A5R1DA01#** | |
| | | | 5.2pF | ±0.05pF | **GRM1552C2A5R2WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A5R2BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A5R2CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A5R2DA01#** | |
| | | | 5.3pF | ±0.05pF | **GRM1552C2A5R3WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A5R3BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A5R3CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A5R3DA01#** | |
| | | | 5.4pF | ±0.05pF | **GRM1552C2A5R4WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A5R4BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A5R4CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A5R4DA01#** | |
| | | | 5.5pF | ±0.05pF | **GRM1552C2A5R5WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A5R5BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A5R5CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A5R5DA01#** | |
| | | | 5.6pF | ±0.05pF | **GRM1552C2A5R6WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A5R6BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A5R6CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A5R6DA01#** | |
| | | | 5.7pF | ±0.05pF | **GRM1552C2A5R7WA01#** | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | CH | 5.7pF | ±0.1pF | **GRM1552C2A5R7BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A5R7CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A5R7DA01#** | |
| | | | 5.8pF | ±0.05pF | **GRM1552C2A5R8WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A5R8BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A5R8CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A5R8DA01#** | |
| | | | 5.9pF | ±0.05pF | **GRM1552C2A5R9WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A5R9BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A5R9CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A5R9DA01#** | |
| | | | 6.0pF | ±0.05pF | **GRM1552C2A6R0WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A6R0BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A6R0CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A6R0DA01#** | |
| | | | 6.1pF | ±0.05pF | **GRM1552C2A6R1WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A6R1BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A6R1CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A6R1DA01#** | |
| | | | 6.2pF | ±0.05pF | **GRM1552C2A6R2WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A6R2BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A6R2CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A6R2DA01#** | |
| | | | 6.3pF | ±0.05pF | **GRM1552C2A6R3WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A6R3BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A6R3CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A6R3DA01#** | |
| | | | 6.4pF | ±0.05pF | **GRM1552C2A6R4WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A6R4BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A6R4CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A6R4DA01#** | |
| | | | 6.5pF | ±0.05pF | **GRM1552C2A6R5WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A6R5BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A6R5CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A6R5DA01#** | |
| | | | 6.6pF | ±0.05pF | **GRM1552C2A6R6WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A6R6BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A6R6CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A6R6DA01#** | |
| | | | 6.7pF | ±0.05pF | **GRM1552C2A6R7WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A6R7BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A6R7CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A6R7DA01#** | |
| | | | 6.8pF | ±0.05pF | **GRM1552C2A6R8WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A6R8BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A6R8CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A6R8DA01#** | |
| | | | 6.9pF | ±0.05pF | **GRM1552C2A6R9WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A6R9BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A6R9CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A6R9DA01#** | |
| | | | 7.0pF | ±0.05pF | **GRM1552C2A7R0WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A7R0BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A7R0CA01#** | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | CH | 7.0pF | ±0.5pF | **GRM1552C2A7R0DA01#** | |
| | | | 7.1pF | ±0.05pF | **GRM1552C2A7R1WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A7R1BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A7R1CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A7R1DA01#** | |
| | | | 7.2pF | ±0.05pF | **GRM1552C2A7R2WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A7R2BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A7R2CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A7R2DA01#** | |
| | | | 7.3pF | ±0.05pF | **GRM1552C2A7R3WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A7R3BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A7R3CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A7R3DA01#** | |
| | | | 7.4pF | ±0.05pF | **GRM1552C2A7R4WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A7R4BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A7R4CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A7R4DA01#** | |
| | | | 7.5pF | ±0.05pF | **GRM1552C2A7R5WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A7R5BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A7R5CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A7R5DA01#** | |
| | | | 7.6pF | ±0.05pF | **GRM1552C2A7R6WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A7R6BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A7R6CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A7R6DA01#** | |
| | | | 7.7pF | ±0.05pF | **GRM1552C2A7R7WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A7R7BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A7R7CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A7R7DA01#** | |
| | | | 7.8pF | ±0.05pF | **GRM1552C2A7R8WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A7R8BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A7R8CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A7R8DA01#** | |
| | | | 7.9pF | ±0.05pF | **GRM1552C2A7R9WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A7R9BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A7R9CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A7R9DA01#** | |
| | | | 8.0pF | ±0.05pF | **GRM1552C2A8R0WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A8R0BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A8R0CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A8R0DA01#** | |
| | | | 8.1pF | ±0.05pF | **GRM1552C2A8R1WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A8R1BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A8R1CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A8R1DA01#** | |
| | | | 8.2pF | ±0.05pF | **GRM1552C2A8R2WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A8R2BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A8R2CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A8R2DA01#** | |
| | | | 8.3pF | ±0.05pF | **GRM1552C2A8R3WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A8R3BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A8R3CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A8R3DA01#** | |
| | | | 8.4pF | ±0.05pF | **GRM1552C2A8R4WA01#** | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | CH | 8.4pF | ±0.1pF | **GRM1552C2A8R4BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A8R4CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A8R4DA01#** | |
| | | | 8.5pF | ±0.05pF | **GRM1552C2A8R5WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A8R5BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A8R5CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A8R5DA01#** | |
| | | | 8.6pF | ±0.05pF | **GRM1552C2A8R6WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A8R6BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A8R6CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A8R6DA01#** | |
| | | | 8.7pF | ±0.05pF | **GRM1552C2A8R7WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A8R7BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A8R7CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A8R7DA01#** | |
| | | | 8.8pF | ±0.05pF | **GRM1552C2A8R8WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A8R8BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A8R8CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A8R8DA01#** | |
| | | | 8.9pF | ±0.05pF | **GRM1552C2A8R9WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A8R9BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A8R9CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A8R9DA01#** | |
| | | | 9.0pF | ±0.05pF | **GRM1552C2A9R0WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A9R0BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A9R0CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A9R0DA01#** | |
| | | | 9.1pF | ±0.05pF | **GRM1552C2A9R1WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A9R1BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A9R1CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A9R1DA01#** | |
| | | | 9.2pF | ±0.05pF | **GRM1552C2A9R2WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A9R2BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A9R2CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A9R2DA01#** | |
| | | | 9.3pF | ±0.05pF | **GRM1552C2A9R3WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A9R3BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A9R3CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A9R3DA01#** | |
| | | | 9.4pF | ±0.05pF | **GRM1552C2A9R4WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A9R4BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A9R4CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A9R4DA01#** | |
| | | | 9.5pF | ±0.05pF | **GRM1552C2A9R5WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A9R5BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A9R5CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A9R5DA01#** | |
| | | | 9.6pF | ±0.05pF | **GRM1552C2A9R6WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A9R6BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A9R6CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A9R6DA01#** | |
| | | | 9.7pF | ±0.05pF | **GRM1552C2A9R7WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A9R7BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A9R7CA01#** | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | CH | 9.7pF | ±0.5pF | **GRM1552C2A9R7DA01#** | |
| | | | 9.8pF | ±0.05pF | **GRM1552C2A9R8WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A9R8BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A9R8CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A9R8DA01#** | |
| | | | 9.9pF | ±0.05pF | **GRM1552C2A9R9WA01#** | |
| | | | | ±0.1pF | **GRM1552C2A9R9BA01#** | |
| | | | | ±0.25pF | **GRM1552C2A9R9CA01#** | |
| | | | | ±0.5pF | **GRM1552C2A9R9DA01#** | |
| | | | 10pF | ±2% | **GRM1552C2A100GA01#** | |
| | | | | ±5% | **GRM1552C2A100JA01#** | |
| | | | 12pF | ±2% | **GRM1552C2A120GA01#** | |
| | | | | ±5% | **GRM1552C2A120JA01#** | |
| | | | 15pF | ±2% | **GRM1552C2A150GA01#** | |
| | | | | ±5% | **GRM1552C2A150JA01#** | |
| | | | 18pF | ±2% | **GRM1552C2A180GA01#** | |
| | | | | ±5% | **GRM1552C2A180JA01#** | |
| | | | 22pF | ±2% | **GRM1552C2A220GA01#** | |
| | | | | ±5% | **GRM1552C2A220JA01#** | |
| | | | 27pF | ±2% | **GRM1552C2A270GA01#** | |
| | | | | ±5% | **GRM1552C2A270JA01#** | |
| | | | 33pF | ±2% | **GRM1552C2A330GA01#** | |
| | | | | ±5% | **GRM1552C2A330JA01#** | |
| | | | 39pF | ±2% | **GRM1552C2A390GA01#** | |
| | | | | ±5% | **GRM1552C2A390JA01#** | |
| | | | 47pF | ±2% | **GRM1552C2A470GA01#** | |
| | | | | ±5% | **GRM1552C2A470JA01#** | |
| | | | 56pF | ±2% | **GRM1552C2A560GA01#** | |
| | | | | ±5% | **GRM1552C2A560JA01#** | |
| | | | 68pF | ±2% | **GRM1552C2A680GA01#** | |
| | | | | ±5% | **GRM1552C2A680JA01#** | |
| | | | 82pF | ±2% | **GRM1552C2A820GA01#** | |
| | | | | ±5% | **GRM1552C2A820JA01#** | |
| | | | 100pF | ±2% | **GRM1552C2A101GA01#** | |
| | | | | ±5% | **GRM1552C2A101JA01#** | |
| | 50Vdc | C0G | 0.10pF | ±0.05pF | **GRM1555C1HR10WA01#** | |
| | | | 0.20pF | ±0.05pF | **GRM1555C1HR20WA01#** | |
| | | | | ±0.1pF | **GRM1555C1HR20BA01#** | |
| | | | 0.30pF | ±0.05pF | **GRM1555C1HR30WA01#** | |
| | | | | ±0.1pF | **GRM1555C1HR30BA01#** | |
| | | | 0.40pF | ±0.05pF | **GRM1555C1HR40WA01#** | |
| | | | | ±0.1pF | **GRM1555C1HR40BA01#** | |
| | | | 0.50pF | ±0.05pF | **GRM1555C1HR50WA01#** | |
| | | | | ±0.1pF | **GRM1555C1HR50BA01#** | |
| | | | 0.60pF | ±0.05pF | **GRM1555C1HR60WA01#** | |
| | | | | ±0.1pF | **GRM1555C1HR60BA01#** | |
| | | | 0.70pF | ±0.05pF | **GRM1555C1HR70WA01#** | |
| | | | | ±0.1pF | **GRM1555C1HR70BA01#** | |
| | | | 0.80pF | ±0.05pF | **GRM1555C1HR80WA01#** | |
| | | | | ±0.1pF | **GRM1555C1HR80BA01#** | |
| | | | 0.90pF | ±0.05pF | **GRM1555C1HR90WA01#** | |
| | | | | ±0.1pF | **GRM1555C1HR90BA01#** | |
| | | | 1.0pF | ±0.05pF | **GRM1555C1H1R0WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H1R0BA01#** | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 1.0pF | ±0.25pF | **GRM1555C1H1R0CA01#** | |
| | | | 1.1pF | ±0.05pF | **GRM1555C1H1R1WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H1R1BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H1R1CA01#** | |
| | | | 1.2pF | ±0.05pF | **GRM1555C1H1R2WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H1R2BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H1R2CA01#** | |
| | | | 1.3pF | ±0.05pF | **GRM1555C1H1R3WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H1R3BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H1R3CA01#** | |
| | | | 1.4pF | ±0.05pF | **GRM1555C1H1R4WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H1R4BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H1R4CA01#** | |
| | | | 1.5pF | ±0.05pF | **GRM1555C1H1R5WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H1R5BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H1R5CA01#** | |
| | | | 1.6pF | ±0.05pF | **GRM1555C1H1R6WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H1R6BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H1R6CA01#** | |
| | | | 1.7pF | ±0.05pF | **GRM1555C1H1R7WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H1R7BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H1R7CA01#** | |
| | | | 1.8pF | ±0.05pF | **GRM1555C1H1R8WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H1R8BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H1R8CA01#** | |
| | | | 1.9pF | ±0.05pF | **GRM1555C1H1R9WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H1R9BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H1R9CA01#** | |
| | | | 2.0pF | ±0.05pF | **GRM1555C1H2R0WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H2R0BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H2R0CA01#** | |
| | | | 2.1pF | ±0.05pF | **GRM1555C1H2R1WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H2R1BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H2R1CA01#** | |
| | | | 2.2pF | ±0.05pF | **GRM1555C1H2R2WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H2R2BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H2R2CA01#** | |
| | | | 2.3pF | ±0.05pF | **GRM1555C1H2R3WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H2R3BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H2R3CA01#** | |
| | | | 2.4pF | ±0.05pF | **GRM1555C1H2R4WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H2R4BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H2R4CA01#** | |
| | | | 2.5pF | ±0.05pF | **GRM1555C1H2R5WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H2R5BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H2R5CA01#** | |
| | | | 2.6pF | ±0.05pF | **GRM1555C1H2R6WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H2R6BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H2R6CA01#** | |
| | | | 2.7pF | ±0.05pF | **GRM1555C1H2R7WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H2R7BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H2R7CA01#** | |
| | | | 2.8pF | ±0.05pF | **GRM1555C1H2R8WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H2R8BA01#** | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 2.8pF | ±0.25pF | GRM1555C1H2R8CA01# | |
| | | | 2.9pF | ±0.05pF | GRM1555C1H2R9WA01# | |
| | | | | ±0.1pF | GRM1555C1H2R9BA01# | |
| | | | | ±0.25pF | GRM1555C1H2R9CA01# | |
| | | | 3.0pF | ±0.05pF | GRM1555C1H3R0WA01# | |
| | | | | ±0.1pF | GRM1555C1H3R0BA01# | |
| | | | | ±0.25pF | GRM1555C1H3R0CA01# | |
| | | | 3.1pF | ±0.05pF | GRM1555C1H3R1WA01# | |
| | | | | ±0.1pF | GRM1555C1H3R1BA01# | |
| | | | | ±0.25pF | GRM1555C1H3R1CA01# | |
| | | | 3.2pF | ±0.05pF | GRM1555C1H3R2WA01# | |
| | | | | ±0.1pF | GRM1555C1H3R2BA01# | |
| | | | | ±0.25pF | GRM1555C1H3R2CA01# | |
| | | | 3.3pF | ±0.05pF | GRM1555C1H3R3WA01# | |
| | | | | ±0.1pF | GRM1555C1H3R3BA01# | |
| | | | | ±0.25pF | GRM1555C1H3R3CA01# | |
| | | | 3.4pF | ±0.05pF | GRM1555C1H3R4WA01# | |
| | | | | ±0.1pF | GRM1555C1H3R4BA01# | |
| | | | | ±0.25pF | GRM1555C1H3R4CA01# | |
| | | | 3.5pF | ±0.05pF | GRM1555C1H3R5WA01# | |
| | | | | ±0.1pF | GRM1555C1H3R5BA01# | |
| | | | | ±0.25pF | GRM1555C1H3R5CA01# | |
| | | | 3.6pF | ±0.05pF | GRM1555C1H3R6WA01# | |
| | | | | ±0.1pF | GRM1555C1H3R6BA01# | |
| | | | | ±0.25pF | GRM1555C1H3R6CA01# | |
| | | | 3.7pF | ±0.05pF | GRM1555C1H3R7WA01# | |
| | | | | ±0.1pF | GRM1555C1H3R7BA01# | |
| | | | | ±0.25pF | GRM1555C1H3R7CA01# | |
| | | | 3.8pF | ±0.05pF | GRM1555C1H3R8WA01# | |
| | | | | ±0.1pF | GRM1555C1H3R8BA01# | |
| | | | | ±0.25pF | GRM1555C1H3R8CA01# | |
| | | | 3.9pF | ±0.05pF | GRM1555C1H3R9WA01# | |
| | | | | ±0.1pF | GRM1555C1H3R9BA01# | |
| | | | | ±0.25pF | GRM1555C1H3R9CA01# | |
| | | | 4.0pF | ±0.05pF | GRM1555C1H4R0WA01# | |
| | | | | ±0.1pF | GRM1555C1H4R0BA01# | |
| | | | | ±0.25pF | GRM1555C1H4R0CA01# | |
| | | | 4.1pF | ±0.05pF | GRM1555C1H4R1WA01# | |
| | | | | ±0.1pF | GRM1555C1H4R1BA01# | |
| | | | | ±0.25pF | GRM1555C1H4R1CA01# | |
| | | | 4.2pF | ±0.05pF | GRM1555C1H4R2WA01# | |
| | | | | ±0.1pF | GRM1555C1H4R2BA01# | |
| | | | | ±0.25pF | GRM1555C1H4R2CA01# | |
| | | | 4.3pF | ±0.05pF | GRM1555C1H4R3WA01# | |
| | | | | ±0.1pF | GRM1555C1H4R3BA01# | |
| | | | | ±0.25pF | GRM1555C1H4R3CA01# | |
| | | | 4.4pF | ±0.05pF | GRM1555C1H4R4WA01# | |
| | | | | ±0.1pF | GRM1555C1H4R4BA01# | |
| | | | | ±0.25pF | GRM1555C1H4R4CA01# | |
| | | | 4.5pF | ±0.05pF | GRM1555C1H4R5WA01# | |
| | | | | ±0.1pF | GRM1555C1H4R5BA01# | |
| | | | | ±0.25pF | GRM1555C1H4R5CA01# | |
| | | | 4.6pF | ±0.05pF | GRM1555C1H4R6WA01# | |
| | | | | ±0.1pF | GRM1555C1H4R6BA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 4.6pF | ±0.25pF | GRM1555C1H4R6CA01# | |
| | | | 4.7pF | ±0.05pF | GRM1555C1H4R7WA01# | |
| | | | | ±0.1pF | GRM1555C1H4R7BA01# | |
| | | | | ±0.25pF | GRM1555C1H4R7CA01# | |
| | | | 4.8pF | ±0.05pF | GRM1555C1H4R8WA01# | |
| | | | | ±0.1pF | GRM1555C1H4R8BA01# | |
| | | | | ±0.25pF | GRM1555C1H4R8CA01# | |
| | | | 4.9pF | ±0.05pF | GRM1555C1H4R9WA01# | |
| | | | | ±0.1pF | GRM1555C1H4R9BA01# | |
| | | | | ±0.25pF | GRM1555C1H4R9CA01# | |
| | | | 5.0pF | ±0.05pF | GRM1555C1H5R0WA01# | |
| | | | | ±0.1pF | GRM1555C1H5R0BA01# | |
| | | | | ±0.25pF | GRM1555C1H5R0CA01# | |
| | | | 5.1pF | ±0.05pF | GRM1555C1H5R1WA01# | |
| | | | | ±0.1pF | GRM1555C1H5R1BA01# | |
| | | | | ±0.25pF | GRM1555C1H5R1CA01# | |
| | | | | ±0.5pF | GRM1555C1H5R1DA01# | |
| | | | 5.2pF | ±0.05pF | GRM1555C1H5R2WA01# | |
| | | | | ±0.1pF | GRM1555C1H5R2BA01# | |
| | | | | ±0.25pF | GRM1555C1H5R2CA01# | |
| | | | | ±0.5pF | GRM1555C1H5R2DA01# | |
| | | | 5.3pF | ±0.05pF | GRM1555C1H5R3WA01# | |
| | | | | ±0.1pF | GRM1555C1H5R3BA01# | |
| | | | | ±0.25pF | GRM1555C1H5R3CA01# | |
| | | | | ±0.5pF | GRM1555C1H5R3DA01# | |
| | | | 5.4pF | ±0.05pF | GRM1555C1H5R4WA01# | |
| | | | | ±0.1pF | GRM1555C1H5R4BA01# | |
| | | | | ±0.25pF | GRM1555C1H5R4CA01# | |
| | | | | ±0.5pF | GRM1555C1H5R4DA01# | |
| | | | 5.5pF | ±0.05pF | GRM1555C1H5R5WA01# | |
| | | | | ±0.1pF | GRM1555C1H5R5BA01# | |
| | | | | ±0.25pF | GRM1555C1H5R5CA01# | |
| | | | | ±0.5pF | GRM1555C1H5R5DA01# | |
| | | | 5.6pF | ±0.05pF | GRM1555C1H5R6WA01# | |
| | | | | ±0.1pF | GRM1555C1H5R6BA01# | |
| | | | | ±0.25pF | GRM1555C1H5R6CA01# | |
| | | | | ±0.5pF | GRM1555C1H5R6DA01# | |
| | | | 5.7pF | ±0.05pF | GRM1555C1H5R7WA01# | |
| | | | | ±0.1pF | GRM1555C1H5R7BA01# | |
| | | | | ±0.25pF | GRM1555C1H5R7CA01# | |
| | | | | ±0.5pF | GRM1555C1H5R7DA01# | |
| | | | 5.8pF | ±0.05pF | GRM1555C1H5R8WA01# | |
| | | | | ±0.1pF | GRM1555C1H5R8BA01# | |
| | | | | ±0.25pF | GRM1555C1H5R8CA01# | |
| | | | | ±0.5pF | GRM1555C1H5R8DA01# | |
| | | | 5.9pF | ±0.05pF | GRM1555C1H5R9WA01# | |
| | | | | ±0.1pF | GRM1555C1H5R9BA01# | |
| | | | | ±0.25pF | GRM1555C1H5R9CA01# | |
| | | | | ±0.5pF | GRM1555C1H5R9DA01# | |
| | | | 6.0pF | ±0.05pF | GRM1555C1H6R0WA01# | |
| | | | | ±0.1pF | GRM1555C1H6R0BA01# | |
| | | | | ±0.25pF | GRM1555C1H6R0CA01# | |
| | | | | ±0.5pF | GRM1555C1H6R0DA01# | |
| | | | 6.1pF | ±0.05pF | GRM1555C1H6R1WA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 6.1pF | ±0.1pF | **GRM1555C1H6R1BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H6R1CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H6R1DA01#** | |
| | | | 6.2pF | ±0.05pF | **GRM1555C1H6R2WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H6R2BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H6R2CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H6R2DA01#** | |
| | | | 6.3pF | ±0.05pF | **GRM1555C1H6R3WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H6R3BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H6R3CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H6R3DA01#** | |
| | | | 6.4pF | ±0.05pF | **GRM1555C1H6R4WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H6R4BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H6R4CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H6R4DA01#** | |
| | | | 6.5pF | ±0.05pF | **GRM1555C1H6R5WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H6R5BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H6R5CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H6R5DA01#** | |
| | | | 6.6pF | ±0.05pF | **GRM1555C1H6R6WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H6R6BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H6R6CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H6R6DA01#** | |
| | | | 6.7pF | ±0.05pF | **GRM1555C1H6R7WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H6R7BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H6R7CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H6R7DA01#** | |
| | | | 6.8pF | ±0.05pF | **GRM1555C1H6R8WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H6R8BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H6R8CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H6R8DA01#** | |
| | | | 6.9pF | ±0.05pF | **GRM1555C1H6R9WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H6R9BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H6R9CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H6R9DA01#** | |
| | | | 7.0pF | ±0.05pF | **GRM1555C1H7R0WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H7R0BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H7R0CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H7R0DA01#** | |
| | | | 7.1pF | ±0.05pF | **GRM1555C1H7R1WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H7R1BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H7R1CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H7R1DA01#** | |
| | | | 7.2pF | ±0.05pF | **GRM1555C1H7R2WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H7R2BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H7R2CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H7R2DA01#** | |
| | | | 7.3pF | ±0.05pF | **GRM1555C1H7R3WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H7R3BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H7R3CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H7R3DA01#** | |
| | | | 7.4pF | ±0.05pF | **GRM1555C1H7R4WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H7R4BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H7R4CA01#** | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 7.4pF | ±0.5pF | **GRM1555C1H7R4DA01#** | |
| | | | 7.5pF | ±0.05pF | **GRM1555C1H7R5WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H7R5BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H7R5CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H7R5DA01#** | |
| | | | 7.6pF | ±0.05pF | **GRM1555C1H7R6WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H7R6BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H7R6CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H7R6DA01#** | |
| | | | 7.7pF | ±0.05pF | **GRM1555C1H7R7WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H7R7BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H7R7CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H7R7DA01#** | |
| | | | 7.8pF | ±0.05pF | **GRM1555C1H7R8WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H7R8BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H7R8CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H7R8DA01#** | |
| | | | 7.9pF | ±0.05pF | **GRM1555C1H7R9WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H7R9BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H7R9CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H7R9DA01#** | |
| | | | 8.0pF | ±0.05pF | **GRM1555C1H8R0WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H8R0BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H8R0CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H8R0DA01#** | |
| | | | 8.1pF | ±0.05pF | **GRM1555C1H8R1WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H8R1BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H8R1CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H8R1DA01#** | |
| | | | 8.2pF | ±0.05pF | **GRM1555C1H8R2WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H8R2BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H8R2CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H8R2DA01#** | |
| | | | 8.3pF | ±0.05pF | **GRM1555C1H8R3WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H8R3BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H8R3CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H8R3DA01#** | |
| | | | 8.4pF | ±0.05pF | **GRM1555C1H8R4WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H8R4BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H8R4CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H8R4DA01#** | |
| | | | 8.5pF | ±0.05pF | **GRM1555C1H8R5WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H8R5BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H8R5CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H8R5DA01#** | |
| | | | 8.6pF | ±0.05pF | **GRM1555C1H8R6WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H8R6BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H8R6CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H8R6DA01#** | |
| | | | 8.7pF | ±0.05pF | **GRM1555C1H8R7WA01#** | |
| | | | | ±0.1pF | **GRM1555C1H8R7BA01#** | |
| | | | | ±0.25pF | **GRM1555C1H8R7CA01#** | |
| | | | | ±0.5pF | **GRM1555C1H8R7DA01#** | |
| | | | 8.8pF | ±0.05pF | **GRM1555C1H8R8WA01#** | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 8.8pF | ±0.1pF | GRM1555C1H8R8BA01# | |
| | | | | ±0.25pF | GRM1555C1H8R8CA01# | |
| | | | | ±0.5pF | GRM1555C1H8R8DA01# | |
| | | | 8.9pF | ±0.05pF | GRM1555C1H8R9WA01# | |
| | | | | ±0.1pF | GRM1555C1H8R9BA01# | |
| | | | | ±0.25pF | GRM1555C1H8R9CA01# | |
| | | | | ±0.5pF | GRM1555C1H8R9DA01# | |
| | | | 9.0pF | ±0.05pF | GRM1555C1H9R0WA01# | |
| | | | | ±0.1pF | GRM1555C1H9R0BA01# | |
| | | | | ±0.25pF | GRM1555C1H9R0CA01# | |
| | | | | ±0.5pF | GRM1555C1H9R0DA01# | |
| | | | 9.1pF | ±0.05pF | GRM1555C1H9R1WA01# | |
| | | | | ±0.1pF | GRM1555C1H9R1BA01# | |
| | | | | ±0.25pF | GRM1555C1H9R1CA01# | |
| | | | | ±0.5pF | GRM1555C1H9R1DA01# | |
| | | | 9.2pF | ±0.05pF | GRM1555C1H9R2WA01# | |
| | | | | ±0.1pF | GRM1555C1H9R2BA01# | |
| | | | | ±0.25pF | GRM1555C1H9R2CA01# | |
| | | | | ±0.5pF | GRM1555C1H9R2DA01# | |
| | | | 9.3pF | ±0.05pF | GRM1555C1H9R3WA01# | |
| | | | | ±0.1pF | GRM1555C1H9R3BA01# | |
| | | | | ±0.25pF | GRM1555C1H9R3CA01# | |
| | | | | ±0.5pF | GRM1555C1H9R3DA01# | |
| | | | 9.4pF | ±0.05pF | GRM1555C1H9R4WA01# | |
| | | | | ±0.1pF | GRM1555C1H9R4BA01# | |
| | | | | ±0.25pF | GRM1555C1H9R4CA01# | |
| | | | | ±0.5pF | GRM1555C1H9R4DA01# | |
| | | | 9.5pF | ±0.05pF | GRM1555C1H9R5WA01# | |
| | | | | ±0.1pF | GRM1555C1H9R5BA01# | |
| | | | | ±0.25pF | GRM1555C1H9R5CA01# | |
| | | | | ±0.5pF | GRM1555C1H9R5DA01# | |
| | | | 9.6pF | ±0.05pF | GRM1555C1H9R6WA01# | |
| | | | | ±0.1pF | GRM1555C1H9R6BA01# | |
| | | | | ±0.25pF | GRM1555C1H9R6CA01# | |
| | | | | ±0.5pF | GRM1555C1H9R6DA01# | |
| | | | 9.7pF | ±0.05pF | GRM1555C1H9R7WA01# | |
| | | | | ±0.1pF | GRM1555C1H9R7BA01# | |
| | | | | ±0.25pF | GRM1555C1H9R7CA01# | |
| | | | | ±0.5pF | GRM1555C1H9R7DA01# | |
| | | | 9.8pF | ±0.05pF | GRM1555C1H9R8WA01# | |
| | | | | ±0.1pF | GRM1555C1H9R8BA01# | |
| | | | | ±0.25pF | GRM1555C1H9R8CA01# | |
| | | | | ±0.5pF | GRM1555C1H9R8DA01# | |
| | | | 9.9pF | ±0.05pF | GRM1555C1H9R9WA01# | |
| | | | | ±0.1pF | GRM1555C1H9R9BA01# | |
| | | | | ±0.25pF | GRM1555C1H9R9CA01# | |
| | | | | ±0.5pF | GRM1555C1H9R9DA01# | |
| | | | 10pF | ±2% | GRM1555C1H100GA01# | |
| | | | | ±5% | GRM1555C1H100JA01# | |
| | | | 12pF | ±2% | GRM1555C1H120GA01# | |
| | | | | ±5% | GRM1555C1H120JA01# | |
| | | | 15pF | ±2% | GRM1555C1H150GA01# | |
| | | | | ±5% | GRM1555C1H150JA01# | |
| | | | 18pF | ±2% | GRM1555C1H180GA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 18pF | ±5% | GRM1555C1H180JA01# | |
| | | | 22pF | ±2% | GRM1555C1H220GA01# | |
| | | | | ±5% | GRM1555C1H220JA01# | |
| | | | 27pF | ±2% | GRM1555C1H270GA01# | |
| | | | | ±5% | GRM1555C1H270JA01# | |
| | | | 33pF | ±2% | GRM1555C1H330GA01# | |
| | | | | ±5% | GRM1555C1H330JA01# | |
| | | | 39pF | ±2% | GRM1555C1H390GA01# | |
| | | | | ±5% | GRM1555C1H390JA01# | |
| | | | 47pF | ±2% | GRM1555C1H470GA01# | |
| | | | | ±5% | GRM1555C1H470JA01# | |
| | | | 56pF | ±2% | GRM1555C1H560GA01# | |
| | | | | ±5% | GRM1555C1H560JA01# | |
| | | | 68pF | ±2% | GRM1555C1H680GA01# | |
| | | | | ±5% | GRM1555C1H680JA01# | |
| | | | 82pF | ±2% | GRM1555C1H820GA01# | |
| | | | | ±5% | GRM1555C1H820JA01# | |
| | | | 100pF | ±2% | GRM1555C1H101GA01# | |
| | | | | ±5% | GRM1555C1H101JA01# | |
| | | | 120pF | ±2% | GRM1555C1H121GA01# | |
| | | | | ±5% | GRM1555C1H121JA01# | |
| | | | 150pF | ±2% | GRM1555C1H151GA01# | |
| | | | | ±5% | GRM1555C1H151JA01# | |
| | | | 180pF | ±2% | GRM1555C1H181GA01# | |
| | | | | ±5% | GRM1555C1H181JA01# | |
| | | | 220pF | ±2% | GRM1555C1H221GA01# | |
| | | | | ±5% | GRM1555C1H221JA01# | |
| | | | 270pF | ±2% | GRM1555C1H271GA01# | |
| | | | | ±5% | GRM1555C1H271JA01# | |
| | | | 330pF | ±2% | GRM1555C1H331GA01# | |
| | | | | ±5% | GRM1555C1H331JA01# | |
| | | | 390pF | ±2% | GRM1555C1H391GA01# | |
| | | | | ±5% | GRM1555C1H391JA01# | |
| | | | 470pF | ±2% | GRM1555C1H471GA01# | |
| | | | | ±5% | GRM1555C1H471JA01# | |
| | | | 560pF | ±2% | GRM1555C1H561GA01# | |
| | | | | ±5% | GRM1555C1H561JA01# | |
| | | | 680pF | ±2% | GRM1555C1H681GA01# | |
| | | | | ±5% | GRM1555C1H681JA01# | |
| | | | 820pF | ±2% | GRM1555C1H821GA01# | |
| | | | | ±5% | GRM1555C1H821JA01# | |
| | | | 1000pF | ±2% | GRM1555C1H102GA01# | |
| | | | | ±5% | GRM1555C1H102JA01# | |
| | | CK | 0.10pF | ±0.05pF | GRM1554C1HR10WA01# | |
| | | | 0.20pF | ±0.05pF | GRM1554C1HR20WA01# | |
| | | | | ±0.1pF | GRM1554C1HR20BA01# | |
| | | | 0.30pF | ±0.05pF | GRM1554C1HR30WA01# | |
| | | | | ±0.1pF | GRM1554C1HR30BA01# | |
| | | | 0.40pF | ±0.05pF | GRM1554C1HR40WA01# | |
| | | | | ±0.1pF | GRM1554C1HR40BA01# | |
| | | | 0.50pF | ±0.05pF | GRM1554C1HR50WA01# | |
| | | | | ±0.1pF | GRM1554C1HR50BA01# | |
| | | | 0.60pF | ±0.05pF | GRM1554C1HR60WA01# | |
| | | | | ±0.1pF | GRM1554C1HR60BA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | CK | 0.70pF | ±0.05pF | GRM1554C1HR70WA01# | |
| | | | | ±0.1pF | GRM1554C1HR70BA01# | |
| | | | 0.80pF | ±0.05pF | GRM1554C1HR80WA01# | |
| | | | | ±0.1pF | GRM1554C1HR80BA01# | |
| | | | 0.90pF | ±0.05pF | GRM1554C1HR90WA01# | |
| | | | | ±0.1pF | GRM1554C1HR90BA01# | |
| | | | 1.0pF | ±0.05pF | GRM1554C1H1R0WA01# | |
| | | | | ±0.1pF | GRM1554C1H1R0BA01# | |
| | | | | ±0.25pF | GRM1554C1H1R0CA01# | |
| | | | 1.1pF | ±0.05pF | GRM1554C1H1R1WA01# | |
| | | | | ±0.1pF | GRM1554C1H1R1BA01# | |
| | | | | ±0.25pF | GRM1554C1H1R1CA01# | |
| | | | 1.2pF | ±0.05pF | GRM1554C1H1R2WA01# | |
| | | | | ±0.1pF | GRM1554C1H1R2BA01# | |
| | | | | ±0.25pF | GRM1554C1H1R2CA01# | |
| | | | 1.3pF | ±0.05pF | GRM1554C1H1R3WA01# | |
| | | | | ±0.1pF | GRM1554C1H1R3BA01# | |
| | | | | ±0.25pF | GRM1554C1H1R3CA01# | |
| | | | 1.4pF | ±0.05pF | GRM1554C1H1R4WA01# | |
| | | | | ±0.1pF | GRM1554C1H1R4BA01# | |
| | | | | ±0.25pF | GRM1554C1H1R4CA01# | |
| | | | 1.5pF | ±0.05pF | GRM1554C1H1R5WA01# | |
| | | | | ±0.1pF | GRM1554C1H1R5BA01# | |
| | | | | ±0.25pF | GRM1554C1H1R5CA01# | |
| | | | 1.6pF | ±0.05pF | GRM1554C1H1R6WA01# | |
| | | | | ±0.1pF | GRM1554C1H1R6BA01# | |
| | | | | ±0.25pF | GRM1554C1H1R6CA01# | |
| | | | 1.7pF | ±0.05pF | GRM1554C1H1R7WA01# | |
| | | | | ±0.1pF | GRM1554C1H1R7BA01# | |
| | | | | ±0.25pF | GRM1554C1H1R7CA01# | |
| | | | 1.8pF | ±0.05pF | GRM1554C1H1R8WA01# | |
| | | | | ±0.1pF | GRM1554C1H1R8BA01# | |
| | | | | ±0.25pF | GRM1554C1H1R8CA01# | |
| | | | 1.9pF | ±0.05pF | GRM1554C1H1R9WA01# | |
| | | | | ±0.1pF | GRM1554C1H1R9BA01# | |
| | | | | ±0.25pF | GRM1554C1H1R9CA01# | |
| | | | 2.0pF | ±0.05pF | GRM1554C1H2R0WA01# | |
| | | | | ±0.1pF | GRM1554C1H2R0BA01# | |
| | | | | ±0.25pF | GRM1554C1H2R0CA01# | |
| | | CJ | 2.1pF | ±0.05pF | GRM1553C1H2R1WA01# | |
| | | | | ±0.1pF | GRM1553C1H2R1BA01# | |
| | | | | ±0.25pF | GRM1553C1H2R1CA01# | |
| | | | 2.2pF | ±0.05pF | GRM1553C1H2R2WA01# | |
| | | | | ±0.1pF | GRM1553C1H2R2BA01# | |
| | | | | ±0.25pF | GRM1553C1H2R2CA01# | |
| | | | 2.3pF | ±0.05pF | GRM1553C1H2R3WA01# | |
| | | | | ±0.1pF | GRM1553C1H2R3BA01# | |
| | | | | ±0.25pF | GRM1553C1H2R3CA01# | |
| | | | 2.4pF | ±0.05pF | GRM1553C1H2R4WA01# | |
| | | | | ±0.1pF | GRM1553C1H2R4BA01# | |
| | | | | ±0.25pF | GRM1553C1H2R4CA01# | |
| | | | 2.5pF | ±0.05pF | GRM1553C1H2R5WA01# | |
| | | | | ±0.1pF | GRM1553C1H2R5BA01# | |
| | | | | ±0.25pF | GRM1553C1H2R5CA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | CJ | 2.6pF | ±0.05pF | GRM1553C1H2R6WA01# | |
| | | | | ±0.1pF | GRM1553C1H2R6BA01# | |
| | | | | ±0.25pF | GRM1553C1H2R6CA01# | |
| | | | 2.7pF | ±0.05pF | GRM1553C1H2R7WA01# | |
| | | | | ±0.1pF | GRM1553C1H2R7BA01# | |
| | | | | ±0.25pF | GRM1553C1H2R7CA01# | |
| | | | 2.8pF | ±0.05pF | GRM1553C1H2R8WA01# | |
| | | | | ±0.1pF | GRM1553C1H2R8BA01# | |
| | | | | ±0.25pF | GRM1553C1H2R8CA01# | |
| | | | 2.9pF | ±0.05pF | GRM1553C1H2R9WA01# | |
| | | | | ±0.1pF | GRM1553C1H2R9BA01# | |
| | | | | ±0.25pF | GRM1553C1H2R9CA01# | |
| | | | 3.0pF | ±0.05pF | GRM1553C1H3R0WA01# | |
| | | | | ±0.1pF | GRM1553C1H3R0BA01# | |
| | | | | ±0.25pF | GRM1553C1H3R0CA01# | |
| | | | 3.1pF | ±0.05pF | GRM1553C1H3R1WA01# | |
| | | | | ±0.1pF | GRM1553C1H3R1BA01# | |
| | | | | ±0.25pF | GRM1553C1H3R1CA01# | |
| | | | 3.2pF | ±0.05pF | GRM1553C1H3R2WA01# | |
| | | | | ±0.1pF | GRM1553C1H3R2BA01# | |
| | | | | ±0.25pF | GRM1553C1H3R2CA01# | |
| | | | 3.3pF | ±0.05pF | GRM1553C1H3R3WA01# | |
| | | | | ±0.1pF | GRM1553C1H3R3BA01# | |
| | | | | ±0.25pF | GRM1553C1H3R3CA01# | |
| | | | 3.4pF | ±0.05pF | GRM1553C1H3R4WA01# | |
| | | | | ±0.1pF | GRM1553C1H3R4BA01# | |
| | | | | ±0.25pF | GRM1553C1H3R4CA01# | |
| | | | 3.5pF | ±0.05pF | GRM1553C1H3R5WA01# | |
| | | | | ±0.1pF | GRM1553C1H3R5BA01# | |
| | | | | ±0.25pF | GRM1553C1H3R5CA01# | |
| | | | 3.6pF | ±0.05pF | GRM1553C1H3R6WA01# | |
| | | | | ±0.1pF | GRM1553C1H3R6BA01# | |
| | | | | ±0.25pF | GRM1553C1H3R6CA01# | |
| | | | 3.7pF | ±0.05pF | GRM1553C1H3R7WA01# | |
| | | | | ±0.1pF | GRM1553C1H3R7BA01# | |
| | | | | ±0.25pF | GRM1553C1H3R7CA01# | |
| | | | 3.8pF | ±0.05pF | GRM1553C1H3R8WA01# | |
| | | | | ±0.1pF | GRM1553C1H3R8BA01# | |
| | | | | ±0.25pF | GRM1553C1H3R8CA01# | |
| | | | 3.9pF | ±0.05pF | GRM1553C1H3R9WA01# | |
| | | | | ±0.1pF | GRM1553C1H3R9BA01# | |
| | | | | ±0.25pF | GRM1553C1H3R9CA01# | |
| | | CH | 4.0pF | ±0.05pF | GRM1552C1H4R0WA01# | |
| | | | | ±0.1pF | GRM1552C1H4R0BA01# | |
| | | | | ±0.25pF | GRM1552C1H4R0CA01# | |
| | | | 4.1pF | ±0.05pF | GRM1552C1H4R1WA01# | |
| | | | | ±0.1pF | GRM1552C1H4R1BA01# | |
| | | | | ±0.25pF | GRM1552C1H4R1CA01# | |
| | | | 4.2pF | ±0.05pF | GRM1552C1H4R2WA01# | |
| | | | | ±0.1pF | GRM1552C1H4R2BA01# | |
| | | | | ±0.25pF | GRM1552C1H4R2CA01# | |
| | | | 4.3pF | ±0.05pF | GRM1552C1H4R3WA01# | |
| | | | | ±0.1pF | GRM1552C1H4R3BA01# | |
| | | | | ±0.25pF | GRM1552C1H4R3CA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | CH | 4.4pF | ±0.05pF | GRM1552C1H4R4WA01# | |
| | | | | ±0.1pF | GRM1552C1H4R4BA01# | |
| | | | | ±0.25pF | GRM1552C1H4R4CA01# | |
| | | | 4.5pF | ±0.05pF | GRM1552C1H4R5WA01# | |
| | | | | ±0.1pF | GRM1552C1H4R5BA01# | |
| | | | | ±0.25pF | GRM1552C1H4R5CA01# | |
| | | | 4.6pF | ±0.05pF | GRM1552C1H4R6WA01# | |
| | | | | ±0.1pF | GRM1552C1H4R6BA01# | |
| | | | | ±0.25pF | GRM1552C1H4R6CA01# | |
| | | | 4.7pF | ±0.05pF | GRM1552C1H4R7WA01# | |
| | | | | ±0.1pF | GRM1552C1H4R7BA01# | |
| | | | | ±0.25pF | GRM1552C1H4R7CA01# | |
| | | | 4.8pF | ±0.05pF | GRM1552C1H4R8WA01# | |
| | | | | ±0.1pF | GRM1552C1H4R8BA01# | |
| | | | | ±0.25pF | GRM1552C1H4R8CA01# | |
| | | | 4.9pF | ±0.05pF | GRM1552C1H4R9WA01# | |
| | | | | ±0.1pF | GRM1552C1H4R9BA01# | |
| | | | | ±0.25pF | GRM1552C1H4R9CA01# | |
| | | | 5.0pF | ±0.05pF | GRM1552C1H5R0WA01# | |
| | | | | ±0.1pF | GRM1552C1H5R0BA01# | |
| | | | | ±0.25pF | GRM1552C1H5R0CA01# | |
| | | | 5.1pF | ±0.05pF | GRM1552C1H5R1WA01# | |
| | | | | ±0.1pF | GRM1552C1H5R1BA01# | |
| | | | | ±0.25pF | GRM1552C1H5R1CA01# | |
| | | | | ±0.5pF | GRM1552C1H5R1DA01# | |
| | | | 5.2pF | ±0.05pF | GRM1552C1H5R2WA01# | |
| | | | | ±0.1pF | GRM1552C1H5R2BA01# | |
| | | | | ±0.25pF | GRM1552C1H5R2CA01# | |
| | | | | ±0.5pF | GRM1552C1H5R2DA01# | |
| | | | 5.3pF | ±0.05pF | GRM1552C1H5R3WA01# | |
| | | | | ±0.1pF | GRM1552C1H5R3BA01# | |
| | | | | ±0.25pF | GRM1552C1H5R3CA01# | |
| | | | | ±0.5pF | GRM1552C1H5R3DA01# | |
| | | | 5.4pF | ±0.05pF | GRM1552C1H5R4WA01# | |
| | | | | ±0.1pF | GRM1552C1H5R4BA01# | |
| | | | | ±0.25pF | GRM1552C1H5R4CA01# | |
| | | | | ±0.5pF | GRM1552C1H5R4DA01# | |
| | | | 5.5pF | ±0.05pF | GRM1552C1H5R5WA01# | |
| | | | | ±0.1pF | GRM1552C1H5R5BA01# | |
| | | | | ±0.25pF | GRM1552C1H5R5CA01# | |
| | | | | ±0.5pF | GRM1552C1H5R5DA01# | |
| | | | 5.6pF | ±0.05pF | GRM1552C1H5R6WA01# | |
| | | | | ±0.1pF | GRM1552C1H5R6BA01# | |
| | | | | ±0.25pF | GRM1552C1H5R6CA01# | |
| | | | | ±0.5pF | GRM1552C1H5R6DA01# | |
| | | | 5.7pF | ±0.05pF | GRM1552C1H5R7WA01# | |
| | | | | ±0.1pF | GRM1552C1H5R7BA01# | |
| | | | | ±0.25pF | GRM1552C1H5R7CA01# | |
| | | | | ±0.5pF | GRM1552C1H5R7DA01# | |
| | | | 5.8pF | ±0.05pF | GRM1552C1H5R8WA01# | |
| | | | | ±0.1pF | GRM1552C1H5R8BA01# | |
| | | | | ±0.25pF | GRM1552C1H5R8CA01# | |
| | | | | ±0.5pF | GRM1552C1H5R8DA01# | |
| | | | 5.9pF | ±0.05pF | GRM1552C1H5R9WA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | CH | 5.9pF | ±0.1pF | GRM1552C1H5R9BA01# | |
| | | | | ±0.25pF | GRM1552C1H5R9CA01# | |
| | | | | ±0.5pF | GRM1552C1H5R9DA01# | |
| | | | 6.0pF | ±0.05pF | GRM1552C1H6R0WA01# | |
| | | | | ±0.1pF | GRM1552C1H6R0BA01# | |
| | | | | ±0.25pF | GRM1552C1H6R0CA01# | |
| | | | | ±0.5pF | GRM1552C1H6R0DA01# | |
| | | | 6.1pF | ±0.05pF | GRM1552C1H6R1WA01# | |
| | | | | ±0.1pF | GRM1552C1H6R1BA01# | |
| | | | | ±0.25pF | GRM1552C1H6R1CA01# | |
| | | | | ±0.5pF | GRM1552C1H6R1DA01# | |
| | | | 6.2pF | ±0.05pF | GRM1552C1H6R2WA01# | |
| | | | | ±0.1pF | GRM1552C1H6R2BA01# | |
| | | | | ±0.25pF | GRM1552C1H6R2CA01# | |
| | | | | ±0.5pF | GRM1552C1H6R2DA01# | |
| | | | 6.3pF | ±0.05pF | GRM1552C1H6R3WA01# | |
| | | | | ±0.1pF | GRM1552C1H6R3BA01# | |
| | | | | ±0.25pF | GRM1552C1H6R3CA01# | |
| | | | | ±0.5pF | GRM1552C1H6R3DA01# | |
| | | | 6.4pF | ±0.05pF | GRM1552C1H6R4WA01# | |
| | | | | ±0.1pF | GRM1552C1H6R4BA01# | |
| | | | | ±0.25pF | GRM1552C1H6R4CA01# | |
| | | | | ±0.5pF | GRM1552C1H6R4DA01# | |
| | | | 6.5pF | ±0.05pF | GRM1552C1H6R5WA01# | |
| | | | | ±0.1pF | GRM1552C1H6R5BA01# | |
| | | | | ±0.25pF | GRM1552C1H6R5CA01# | |
| | | | | ±0.5pF | GRM1552C1H6R5DA01# | |
| | | | 6.6pF | ±0.05pF | GRM1552C1H6R6WA01# | |
| | | | | ±0.1pF | GRM1552C1H6R6BA01# | |
| | | | | ±0.25pF | GRM1552C1H6R6CA01# | |
| | | | | ±0.5pF | GRM1552C1H6R6DA01# | |
| | | | 6.7pF | ±0.05pF | GRM1552C1H6R7WA01# | |
| | | | | ±0.1pF | GRM1552C1H6R7BA01# | |
| | | | | ±0.25pF | GRM1552C1H6R7CA01# | |
| | | | | ±0.5pF | GRM1552C1H6R7DA01# | |
| | | | 6.8pF | ±0.05pF | GRM1552C1H6R8WA01# | |
| | | | | ±0.1pF | GRM1552C1H6R8BA01# | |
| | | | | ±0.25pF | GRM1552C1H6R8CA01# | |
| | | | | ±0.5pF | GRM1552C1H6R8DA01# | |
| | | | 6.9pF | ±0.05pF | GRM1552C1H6R9WA01# | |
| | | | | ±0.1pF | GRM1552C1H6R9BA01# | |
| | | | | ±0.25pF | GRM1552C1H6R9CA01# | |
| | | | | ±0.5pF | GRM1552C1H6R9DA01# | |
| | | | 7.0pF | ±0.05pF | GRM1552C1H7R0WA01# | |
| | | | | ±0.1pF | GRM1552C1H7R0BA01# | |
| | | | | ±0.25pF | GRM1552C1H7R0CA01# | |
| | | | | ±0.5pF | GRM1552C1H7R0DA01# | |
| | | | 7.1pF | ±0.05pF | GRM1552C1H7R1WA01# | |
| | | | | ±0.1pF | GRM1552C1H7R1BA01# | |
| | | | | ±0.25pF | GRM1552C1H7R1CA01# | |
| | | | | ±0.5pF | GRM1552C1H7R1DA01# | |
| | | | 7.2pF | ±0.05pF | GRM1552C1H7R2WA01# | |
| | | | | ±0.1pF | GRM1552C1H7R2BA01# | |
| | | | | ±0.25pF | GRM1552C1H7R2CA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | CH | 7.2pF | ±0.5pF | **GRM1552C1H7R2DA01#** | |
| | | | 7.3pF | ±0.05pF | **GRM1552C1H7R3WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H7R3BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H7R3CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H7R3DA01#** | |
| | | | 7.4pF | ±0.05pF | **GRM1552C1H7R4WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H7R4BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H7R4CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H7R4DA01#** | |
| | | | 7.5pF | ±0.05pF | **GRM1552C1H7R5WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H7R5BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H7R5CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H7R5DA01#** | |
| | | | 7.6pF | ±0.05pF | **GRM1552C1H7R6WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H7R6BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H7R6CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H7R6DA01#** | |
| | | | 7.7pF | ±0.05pF | **GRM1552C1H7R7WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H7R7BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H7R7CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H7R7DA01#** | |
| | | | 7.8pF | ±0.05pF | **GRM1552C1H7R8WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H7R8BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H7R8CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H7R8DA01#** | |
| | | | 7.9pF | ±0.05pF | **GRM1552C1H7R9WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H7R9BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H7R9CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H7R9DA01#** | |
| | | | 8.0pF | ±0.05pF | **GRM1552C1H8R0WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H8R0BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H8R0CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H8R0DA01#** | |
| | | | 8.1pF | ±0.05pF | **GRM1552C1H8R1WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H8R1BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H8R1CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H8R1DA01#** | |
| | | | 8.2pF | ±0.05pF | **GRM1552C1H8R2WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H8R2BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H8R2CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H8R2DA01#** | |
| | | | 8.3pF | ±0.05pF | **GRM1552C1H8R3WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H8R3BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H8R3CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H8R3DA01#** | |
| | | | 8.4pF | ±0.05pF | **GRM1552C1H8R4WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H8R4BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H8R4CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H8R4DA01#** | |
| | | | 8.5pF | ±0.05pF | **GRM1552C1H8R5WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H8R5BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H8R5CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H8R5DA01#** | |
| | | | 8.6pF | ±0.05pF | **GRM1552C1H8R6WA01#** | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | CH | 8.6pF | ±0.1pF | **GRM1552C1H8R6BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H8R6CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H8R6DA01#** | |
| | | | 8.7pF | ±0.05pF | **GRM1552C1H8R7WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H8R7BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H8R7CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H8R7DA01#** | |
| | | | 8.8pF | ±0.05pF | **GRM1552C1H8R8WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H8R8BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H8R8CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H8R8DA01#** | |
| | | | 8.9pF | ±0.05pF | **GRM1552C1H8R9WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H8R9BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H8R9CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H8R9DA01#** | |
| | | | 9.0pF | ±0.05pF | **GRM1552C1H9R0WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H9R0BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H9R0CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H9R0DA01#** | |
| | | | 9.1pF | ±0.05pF | **GRM1552C1H9R1WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H9R1BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H9R1CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H9R1DA01#** | |
| | | | 9.2pF | ±0.05pF | **GRM1552C1H9R2WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H9R2BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H9R2CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H9R2DA01#** | |
| | | | 9.3pF | ±0.05pF | **GRM1552C1H9R3WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H9R3BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H9R3CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H9R3DA01#** | |
| | | | 9.4pF | ±0.05pF | **GRM1552C1H9R4WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H9R4BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H9R4CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H9R4DA01#** | |
| | | | 9.5pF | ±0.05pF | **GRM1552C1H9R5WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H9R5BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H9R5CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H9R5DA01#** | |
| | | | 9.6pF | ±0.05pF | **GRM1552C1H9R6WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H9R6BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H9R6CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H9R6DA01#** | |
| | | | 9.7pF | ±0.05pF | **GRM1552C1H9R7WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H9R7BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H9R7CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H9R7DA01#** | |
| | | | 9.8pF | ±0.05pF | **GRM1552C1H9R8WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H9R8BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H9R8CA01#** | |
| | | | | ±0.5pF | **GRM1552C1H9R8DA01#** | |
| | | | 9.9pF | ±0.05pF | **GRM1552C1H9R9WA01#** | |
| | | | | ±0.1pF | **GRM1552C1H9R9BA01#** | |
| | | | | ±0.25pF | **GRM1552C1H9R9CA01#** | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

## (→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | CH | 9.9pF | ±0.5pF | GRM1552C1H9R9DA01# | |
| | | | 10pF | ±2% | GRM1552C1H100GA01# | |
| | | | | ±5% | GRM1552C1H100JA01# | |
| | | | 12pF | ±2% | GRM1552C1H120GA01# | |
| | | | | ±5% | GRM1552C1H120JA01# | |
| | | | 15pF | ±2% | GRM1552C1H150GA01# | |
| | | | | ±5% | GRM1552C1H150JA01# | |
| | | | 18pF | ±2% | GRM1552C1H180GA01# | |
| | | | | ±5% | GRM1552C1H180JA01# | |
| | | | 22pF | ±2% | GRM1552C1H220GA01# | |
| | | | | ±5% | GRM1552C1H220JA01# | |
| | | | 27pF | ±2% | GRM1552C1H270GA01# | |
| | | | | ±5% | GRM1552C1H270JA01# | |
| | | | 33pF | ±2% | GRM1552C1H330GA01# | |
| | | | | ±5% | GRM1552C1H330JA01# | |
| | | | 39pF | ±2% | GRM1552C1H390GA01# | |
| | | | | ±5% | GRM1552C1H390JA01# | |
| | | | 47pF | ±2% | GRM1552C1H470GA01# | |
| | | | | ±5% | GRM1552C1H470JA01# | |
| | | | 56pF | ±2% | GRM1552C1H560GA01# | |
| | | | | ±5% | GRM1552C1H560JA01# | |
| | | | 68pF | ±2% | GRM1552C1H680GA01# | |
| | | | | ±5% | GRM1552C1H680JA01# | |
| | | | 82pF | ±2% | GRM1552C1H820GA01# | |
| | | | | ±5% | GRM1552C1H820JA01# | |
| | | | 100pF | ±2% | GRM1552C1H101GA01# | |
| | | | | ±5% | GRM1552C1H101JA01# | |
| | | | 120pF | ±2% | GRM1552C1H121GA01# | |
| | | | | ±5% | GRM1552C1H121JA01# | |
| | | | 150pF | ±2% | GRM1552C1H151GA01# | |
| | | | | ±5% | GRM1552C1H151JA01# | |
| | | | 180pF | ±2% | GRM1552C1H181GA01# | |
| | | | | ±5% | GRM1552C1H181JA01# | |
| | | | 220pF | ±2% | GRM1552C1H221GA01# | |
| | | | | ±5% | GRM1552C1H221JA01# | |
| | | | 270pF | ±2% | GRM1552C1H271GA01# | |
| | | | | ±5% | GRM1552C1H271JA01# | |
| | | | 330pF | ±2% | GRM1552C1H331GA01# | |
| | | | | ±5% | GRM1552C1H331JA01# | |
| | | | 390pF | ±2% | GRM1552C1H391GA01# | |
| | | | | ±5% | GRM1552C1H391JA01# | |
| | | | 470pF | ±2% | GRM1552C1H471GA01# | |
| | | | | ±5% | GRM1552C1H471JA01# | |
| | | | 560pF | ±2% | GRM1552C1H561GA01# | |
| | | | | ±5% | GRM1552C1H561JA01# | |
| | | | 680pF | ±2% | GRM1552C1H681GA01# | |
| | | | | ±5% | GRM1552C1H681JA01# | |
| | | | 820pF | ±2% | GRM1552C1H821GA01# | |
| | | | | ±5% | GRM1552C1H821JA01# | |
| | | | 1000pF | ±2% | GRM1552C1H102GA01# | |
| | | | | ±5% | GRM1552C1H102JA01# | |
| | 10Vdc | SL | 1200pF | ±5% | GRM1551X1A122JA01# | |
| | | | 1500pF | ±5% | GRM1551X1A152JA01# | |
| | | | 1800pF | ±5% | GRM1551X1A182JA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 10Vdc | SL | 2200pF | ±5% | GRM1551X1A222JA01# | |
| | | | 2700pF | ±5% | GRM1551X1A272JA01# | |
| | | | 3300pF | ±5% | GRM1551X1A332JA01# | |
| | | | 3900pF | ±5% | GRM1551X1A392JA01# | |
| | | | 4700pF | ±5% | GRM1551X1A472JA01# | |
| | | U2J | 1200pF | ±5% | GRM1557U1A122JA01# | |
| | | | 1500pF | ±5% | GRM1557U1A152JA01# | |
| | | | 1800pF | ±5% | GRM1557U1A182JA01# | |
| | | | 2200pF | ±5% | GRM1557U1A222JA01# | |
| | | | 2700pF | ±5% | GRM1557U1A272JA01# | |
| | | | 3300pF | ±5% | GRM1557U1A332JA01# | |
| | | | 3900pF | ±5% | GRM1557U1A392JA01# | |
| | | | 4700pF | ±5% | GRM1557U1A472JA01# | |
| | | UJ | 1200pF | ±5% | GRM1553U1A122JA01# | |
| | | | 1500pF | ±5% | GRM1553U1A152JA01# | |
| | | | 1800pF | ±5% | GRM1553U1A182JA01# | |
| | | | 2200pF | ±5% | GRM1553U1A222JA01# | |
| | | | 2700pF | ±5% | GRM1553U1A272JA01# | |
| | | | 3300pF | ±5% | GRM1553U1A332JA01# | |
| | | | 3900pF | ±5% | GRM1553U1A392JA01# | |
| | | | 4700pF | ±5% | GRM1553U1A472JA01# | |

## 1.6×0.8mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.5mm | 50Vdc | SL | 2200pF | ±5% | GRM1851X1H222JA44# | |
| | | | 2700pF | ±5% | GRM1851X1H272JA44# | |
| | | | 3300pF | ±5% | GRM1851X1H332JA44# | |
| | | | 3900pF | ±5% | GRM1851X1H392JA44# | |
| | | | 4700pF | ±5% | GRM1851X1H472JA44# | |
| | | U2J | 2200pF | ±5% | GRM1857U1H222JA44# | |
| | | | 2700pF | ±5% | GRM1857U1H272JA44# | |
| | | | 3300pF | ±5% | GRM1857U1H332JA44# | |
| | | | 3900pF | ±5% | GRM1857U1H392JA44# | |
| | | | 4700pF | ±5% | GRM1857U1H472JA44# | |
| | | UJ | 2200pF | ±5% | GRM1853U1H222JA44# | |
| | | | 2700pF | ±5% | GRM1853U1H272JA44# | |
| | | | 3300pF | ±5% | GRM1853U1H332JA44# | |
| | | | 3900pF | ±5% | GRM1853U1H392JA44# | |
| | | | 4700pF | ±5% | GRM1853U1H472JA44# | |
| | 10Vdc | SL | 5600pF | ±5% | GRM1851X1A562JA44# | |
| | | | 6800pF | ±5% | GRM1851X1A682JA44# | |
| | | | 8200pF | ±5% | GRM1851X1A822JA44# | |
| | | | 10000pF | ±5% | GRM1851X1A103JA44# | |
| | | U2J | 5600pF | ±5% | GRM1857U1A562JA44# | |
| | | | 6800pF | ±5% | GRM1857U1A682JA44# | |
| | | | 8200pF | ±5% | GRM1857U1A822JA44# | |
| | | | 10000pF | ±5% | GRM1857U1A103JA44# | |
| | | UJ | 5600pF | ±5% | GRM1853U1A562JA44# | |
| | | | 6800pF | ±5% | GRM1853U1A682JA44# | |
| | | | 8200pF | ±5% | GRM1853U1A822JA44# | |
| | | | 10000pF | ±5% | GRM1853U1A103JA44# | |
| 0.9mm | 100Vdc | C0G | 0.50pF | ±0.05pF | GRM1885C2AR50WA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | C0G | 0.50pF | ±0.1pF | GRM1885C2AR50BA01# | |
| | | | 0.60pF | ±0.05pF | GRM1885C2AR60WA01# | |
| | | | | ±0.1pF | GRM1885C2AR60BA01# | |
| | | | 0.70pF | ±0.05pF | GRM1885C2AR70WA01# | |
| | | | | ±0.1pF | GRM1885C2AR70BA01# | |
| | | | 0.80pF | ±0.05pF | GRM1885C2AR80WA01# | |
| | | | | ±0.1pF | GRM1885C2AR80BA01# | |
| | | | 0.90pF | ±0.05pF | GRM1885C2AR90WA01# | |
| | | | | ±0.1pF | GRM1885C2AR90BA01# | |
| | | | 1.0pF | ±0.05pF | GRM1885C2A1R0WA01# | |
| | | | | ±0.1pF | GRM1885C2A1R0BA01# | |
| | | | | ±0.25pF | GRM1885C2A1R0CA01# | |
| | | | 1.1pF | ±0.05pF | GRM1885C2A1R1WA01# | |
| | | | | ±0.1pF | GRM1885C2A1R1BA01# | |
| | | | | ±0.25pF | GRM1885C2A1R1CA01# | |
| | | | 1.2pF | ±0.05pF | GRM1885C2A1R2WA01# | |
| | | | | ±0.1pF | GRM1885C2A1R2BA01# | |
| | | | | ±0.25pF | GRM1885C2A1R2CA01# | |
| | | | 1.3pF | ±0.05pF | GRM1885C2A1R3WA01# | |
| | | | | ±0.1pF | GRM1885C2A1R3BA01# | |
| | | | | ±0.25pF | GRM1885C2A1R3CA01# | |
| | | | 1.4pF | ±0.05pF | GRM1885C2A1R4WA01# | |
| | | | | ±0.1pF | GRM1885C2A1R4BA01# | |
| | | | | ±0.25pF | GRM1885C2A1R4CA01# | |
| | | | 1.5pF | ±0.05pF | GRM1885C2A1R5WA01# | |
| | | | | ±0.1pF | GRM1885C2A1R5BA01# | |
| | | | | ±0.25pF | GRM1885C2A1R5CA01# | |
| | | | 1.6pF | ±0.05pF | GRM1885C2A1R6WA01# | |
| | | | | ±0.1pF | GRM1885C2A1R6BA01# | |
| | | | | ±0.25pF | GRM1885C2A1R6CA01# | |
| | | | 1.7pF | ±0.05pF | GRM1885C2A1R7WA01# | |
| | | | | ±0.1pF | GRM1885C2A1R7BA01# | |
| | | | | ±0.25pF | GRM1885C2A1R7CA01# | |
| | | | 1.8pF | ±0.05pF | GRM1885C2A1R8WA01# | |
| | | | | ±0.1pF | GRM1885C2A1R8BA01# | |
| | | | | ±0.25pF | GRM1885C2A1R8CA01# | |
| | | | 1.9pF | ±0.05pF | GRM1885C2A1R9WA01# | |
| | | | | ±0.1pF | GRM1885C2A1R9BA01# | |
| | | | | ±0.25pF | GRM1885C2A1R9CA01# | |
| | | | 2.0pF | ±0.05pF | GRM1885C2A2R0WA01# | |
| | | | | ±0.1pF | GRM1885C2A2R0BA01# | |
| | | | | ±0.25pF | GRM1885C2A2R0CA01# | |
| | | | 2.1pF | ±0.05pF | GRM1885C2A2R1WA01# | |
| | | | | ±0.1pF | GRM1885C2A2R1BA01# | |
| | | | | ±0.25pF | GRM1885C2A2R1CA01# | |
| | | | 2.2pF | ±0.05pF | GRM1885C2A2R2WA01# | |
| | | | | ±0.1pF | GRM1885C2A2R2BA01# | |
| | | | | ±0.25pF | GRM1885C2A2R2CA01# | |
| | | | 2.3pF | ±0.05pF | GRM1885C2A2R3WA01# | |
| | | | | ±0.1pF | GRM1885C2A2R3BA01# | |
| | | | | ±0.25pF | GRM1885C2A2R3CA01# | |
| | | | 2.4pF | ±0.05pF | GRM1885C2A2R4WA01# | |
| | | | | ±0.1pF | GRM1885C2A2R4BA01# | |
| | | | | ±0.25pF | GRM1885C2A2R4CA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | C0G | 2.5pF | ±0.05pF | GRM1885C2A2R5WA01# | |
| | | | | ±0.1pF | GRM1885C2A2R5BA01# | |
| | | | | ±0.25pF | GRM1885C2A2R5CA01# | |
| | | | 2.6pF | ±0.05pF | GRM1885C2A2R6WA01# | |
| | | | | ±0.1pF | GRM1885C2A2R6BA01# | |
| | | | | ±0.25pF | GRM1885C2A2R6CA01# | |
| | | | 2.7pF | ±0.05pF | GRM1885C2A2R7WA01# | |
| | | | | ±0.1pF | GRM1885C2A2R7BA01# | |
| | | | | ±0.25pF | GRM1885C2A2R7CA01# | |
| | | | 2.8pF | ±0.05pF | GRM1885C2A2R8WA01# | |
| | | | | ±0.1pF | GRM1885C2A2R8BA01# | |
| | | | | ±0.25pF | GRM1885C2A2R8CA01# | |
| | | | 2.9pF | ±0.05pF | GRM1885C2A2R9WA01# | |
| | | | | ±0.1pF | GRM1885C2A2R9BA01# | |
| | | | | ±0.25pF | GRM1885C2A2R9CA01# | |
| | | | 3.0pF | ±0.05pF | GRM1885C2A3R0WA01# | |
| | | | | ±0.1pF | GRM1885C2A3R0BA01# | |
| | | | | ±0.25pF | GRM1885C2A3R0CA01# | |
| | | | 3.1pF | ±0.05pF | GRM1885C2A3R1WA01# | |
| | | | | ±0.1pF | GRM1885C2A3R1BA01# | |
| | | | | ±0.25pF | GRM1885C2A3R1CA01# | |
| | | | 3.2pF | ±0.05pF | GRM1885C2A3R2WA01# | |
| | | | | ±0.1pF | GRM1885C2A3R2BA01# | |
| | | | | ±0.25pF | GRM1885C2A3R2CA01# | |
| | | | 3.3pF | ±0.05pF | GRM1885C2A3R3WA01# | |
| | | | | ±0.1pF | GRM1885C2A3R3BA01# | |
| | | | | ±0.25pF | GRM1885C2A3R3CA01# | |
| | | | 3.4pF | ±0.05pF | GRM1885C2A3R4WA01# | |
| | | | | ±0.1pF | GRM1885C2A3R4BA01# | |
| | | | | ±0.25pF | GRM1885C2A3R4CA01# | |
| | | | 3.5pF | ±0.05pF | GRM1885C2A3R5WA01# | |
| | | | | ±0.1pF | GRM1885C2A3R5BA01# | |
| | | | | ±0.25pF | GRM1885C2A3R5CA01# | |
| | | | 3.6pF | ±0.05pF | GRM1885C2A3R6WA01# | |
| | | | | ±0.1pF | GRM1885C2A3R6BA01# | |
| | | | | ±0.25pF | GRM1885C2A3R6CA01# | |
| | | | 3.7pF | ±0.05pF | GRM1885C2A3R7WA01# | |
| | | | | ±0.1pF | GRM1885C2A3R7BA01# | |
| | | | | ±0.25pF | GRM1885C2A3R7CA01# | |
| | | | 3.8pF | ±0.05pF | GRM1885C2A3R8WA01# | |
| | | | | ±0.1pF | GRM1885C2A3R8BA01# | |
| | | | | ±0.25pF | GRM1885C2A3R8CA01# | |
| | | | 3.9pF | ±0.05pF | GRM1885C2A3R9WA01# | |
| | | | | ±0.1pF | GRM1885C2A3R9BA01# | |
| | | | | ±0.25pF | GRM1885C2A3R9CA01# | |
| | | | 4.0pF | ±0.05pF | GRM1885C2A4R0WA01# | |
| | | | | ±0.1pF | GRM1885C2A4R0BA01# | |
| | | | | ±0.25pF | GRM1885C2A4R0CA01# | |
| | | | 4.1pF | ±0.05pF | GRM1885C2A4R1WA01# | |
| | | | | ±0.1pF | GRM1885C2A4R1BA01# | |
| | | | | ±0.25pF | GRM1885C2A4R1CA01# | |
| | | | 4.2pF | ±0.05pF | GRM1885C2A4R2WA01# | |
| | | | | ±0.1pF | GRM1885C2A4R2BA01# | |
| | | | | ±0.25pF | GRM1885C2A4R2CA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | C0G | 4.3pF | ±0.05pF | **GRM1885C2A4R3WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A4R3BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A4R3CA01#** | |
| | | | 4.4pF | ±0.05pF | **GRM1885C2A4R4WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A4R4BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A4R4CA01#** | |
| | | | 4.5pF | ±0.05pF | **GRM1885C2A4R5WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A4R5BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A4R5CA01#** | |
| | | | 4.6pF | ±0.05pF | **GRM1885C2A4R6WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A4R6BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A4R6CA01#** | |
| | | | 4.7pF | ±0.05pF | **GRM1885C2A4R7WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A4R7BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A4R7CA01#** | |
| | | | 4.8pF | ±0.05pF | **GRM1885C2A4R8WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A4R8BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A4R8CA01#** | |
| | | | 4.9pF | ±0.05pF | **GRM1885C2A4R9WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A4R9BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A4R9CA01#** | |
| | | | 5.0pF | ±0.05pF | **GRM1885C2A5R0WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A5R0BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A5R0CA01#** | |
| | | | 5.1pF | ±0.05pF | **GRM1885C2A5R1WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A5R1BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A5R1CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A5R1DA01#** | |
| | | | 5.2pF | ±0.05pF | **GRM1885C2A5R2WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A5R2BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A5R2CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A5R2DA01#** | |
| | | | 5.3pF | ±0.05pF | **GRM1885C2A5R3WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A5R3BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A5R3CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A5R3DA01#** | |
| | | | 5.4pF | ±0.05pF | **GRM1885C2A5R4WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A5R4BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A5R4CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A5R4DA01#** | |
| | | | 5.5pF | ±0.05pF | **GRM1885C2A5R5WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A5R5BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A5R5CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A5R5DA01#** | |
| | | | 5.6pF | ±0.05pF | **GRM1885C2A5R6WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A5R6BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A5R6CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A5R6DA01#** | |
| | | | 5.7pF | ±0.05pF | **GRM1885C2A5R7WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A5R7BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A5R7CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A5R7DA01#** | |
| | | | 5.8pF | ±0.05pF | **GRM1885C2A5R8WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A5R8BA01#** | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | C0G | 5.8pF | ±0.25pF | **GRM1885C2A5R8CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A5R8DA01#** | |
| | | | 5.9pF | ±0.05pF | **GRM1885C2A5R9WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A5R9BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A5R9CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A5R9DA01#** | |
| | | | 6.0pF | ±0.05pF | **GRM1885C2A6R0WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A6R0BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A6R0CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A6R0DA01#** | |
| | | | 6.1pF | ±0.05pF | **GRM1885C2A6R1WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A6R1BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A6R1CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A6R1DA01#** | |
| | | | 6.2pF | ±0.05pF | **GRM1885C2A6R2WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A6R2BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A6R2CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A6R2DA01#** | |
| | | | 6.3pF | ±0.05pF | **GRM1885C2A6R3WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A6R3BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A6R3CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A6R3DA01#** | |
| | | | 6.4pF | ±0.05pF | **GRM1885C2A6R4WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A6R4BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A6R4CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A6R4DA01#** | |
| | | | 6.5pF | ±0.05pF | **GRM1885C2A6R5WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A6R5BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A6R5CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A6R5DA01#** | |
| | | | 6.6pF | ±0.05pF | **GRM1885C2A6R6WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A6R6BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A6R6CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A6R6DA01#** | |
| | | | 6.7pF | ±0.05pF | **GRM1885C2A6R7WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A6R7BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A6R7CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A6R7DA01#** | |
| | | | 6.8pF | ±0.05pF | **GRM1885C2A6R8WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A6R8BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A6R8CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A6R8DA01#** | |
| | | | 6.9pF | ±0.05pF | **GRM1885C2A6R9WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A6R9BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A6R9CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A6R9DA01#** | |
| | | | 7.0pF | ±0.05pF | **GRM1885C2A7R0WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A7R0BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A7R0CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A7R0DA01#** | |
| | | | 7.1pF | ±0.05pF | **GRM1885C2A7R1WA01#** | |
| | | | | ±0.1pF | **GRM1885C2A7R1BA01#** | |
| | | | | ±0.25pF | **GRM1885C2A7R1CA01#** | |
| | | | | ±0.5pF | **GRM1885C2A7R1DA01#** | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | C0G | 7.2pF | ±0.05pF | GRM1885C2A7R2WA01# | |
| | | | | ±0.1pF | GRM1885C2A7R2BA01# | |
| | | | | ±0.25pF | GRM1885C2A7R2CA01# | |
| | | | | ±0.5pF | GRM1885C2A7R2DA01# | |
| | | | 7.3pF | ±0.05pF | GRM1885C2A7R3WA01# | |
| | | | | ±0.1pF | GRM1885C2A7R3BA01# | |
| | | | | ±0.25pF | GRM1885C2A7R3CA01# | |
| | | | | ±0.5pF | GRM1885C2A7R3DA01# | |
| | | | 7.4pF | ±0.05pF | GRM1885C2A7R4WA01# | |
| | | | | ±0.1pF | GRM1885C2A7R4BA01# | |
| | | | | ±0.25pF | GRM1885C2A7R4CA01# | |
| | | | | ±0.5pF | GRM1885C2A7R4DA01# | |
| | | | 7.5pF | ±0.05pF | GRM1885C2A7R5WA01# | |
| | | | | ±0.1pF | GRM1885C2A7R5BA01# | |
| | | | | ±0.25pF | GRM1885C2A7R5CA01# | |
| | | | | ±0.5pF | GRM1885C2A7R5DA01# | |
| | | | 7.6pF | ±0.05pF | GRM1885C2A7R6WA01# | |
| | | | | ±0.1pF | GRM1885C2A7R6BA01# | |
| | | | | ±0.25pF | GRM1885C2A7R6CA01# | |
| | | | | ±0.5pF | GRM1885C2A7R6DA01# | |
| | | | 7.7pF | ±0.05pF | GRM1885C2A7R7WA01# | |
| | | | | ±0.1pF | GRM1885C2A7R7BA01# | |
| | | | | ±0.25pF | GRM1885C2A7R7CA01# | |
| | | | | ±0.5pF | GRM1885C2A7R7DA01# | |
| | | | 7.8pF | ±0.05pF | GRM1885C2A7R8WA01# | |
| | | | | ±0.1pF | GRM1885C2A7R8BA01# | |
| | | | | ±0.25pF | GRM1885C2A7R8CA01# | |
| | | | | ±0.5pF | GRM1885C2A7R8DA01# | |
| | | | 7.9pF | ±0.05pF | GRM1885C2A7R9WA01# | |
| | | | | ±0.1pF | GRM1885C2A7R9BA01# | |
| | | | | ±0.25pF | GRM1885C2A7R9CA01# | |
| | | | | ±0.5pF | GRM1885C2A7R9DA01# | |
| | | | 8.0pF | ±0.05pF | GRM1885C2A8R0WA01# | |
| | | | | ±0.1pF | GRM1885C2A8R0BA01# | |
| | | | | ±0.25pF | GRM1885C2A8R0CA01# | |
| | | | | ±0.5pF | GRM1885C2A8R0DA01# | |
| | | | 8.1pF | ±0.05pF | GRM1885C2A8R1WA01# | |
| | | | | ±0.1pF | GRM1885C2A8R1BA01# | |
| | | | | ±0.25pF | GRM1885C2A8R1CA01# | |
| | | | | ±0.5pF | GRM1885C2A8R1DA01# | |
| | | | 8.2pF | ±0.05pF | GRM1885C2A8R2WA01# | |
| | | | | ±0.1pF | GRM1885C2A8R2BA01# | |
| | | | | ±0.25pF | GRM1885C2A8R2CA01# | |
| | | | | ±0.5pF | GRM1885C2A8R2DA01# | |
| | | | 8.3pF | ±0.05pF | GRM1885C2A8R3WA01# | |
| | | | | ±0.1pF | GRM1885C2A8R3BA01# | |
| | | | | ±0.25pF | GRM1885C2A8R3CA01# | |
| | | | | ±0.5pF | GRM1885C2A8R3DA01# | |
| | | | 8.4pF | ±0.05pF | GRM1885C2A8R4WA01# | |
| | | | | ±0.1pF | GRM1885C2A8R4BA01# | |
| | | | | ±0.25pF | GRM1885C2A8R4CA01# | |
| | | | | ±0.5pF | GRM1885C2A8R4DA01# | |
| | | | 8.5pF | ±0.05pF | GRM1885C2A8R5WA01# | |
| | | | | ±0.1pF | GRM1885C2A8R5BA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | C0G | 8.5pF | ±0.25pF | GRM1885C2A8R5CA01# | |
| | | | | ±0.5pF | GRM1885C2A8R5DA01# | |
| | | | 8.6pF | ±0.05pF | GRM1885C2A8R6WA01# | |
| | | | | ±0.1pF | GRM1885C2A8R6BA01# | |
| | | | | ±0.25pF | GRM1885C2A8R6CA01# | |
| | | | | ±0.5pF | GRM1885C2A8R6DA01# | |
| | | | 8.7pF | ±0.05pF | GRM1885C2A8R7WA01# | |
| | | | | ±0.1pF | GRM1885C2A8R7BA01# | |
| | | | | ±0.25pF | GRM1885C2A8R7CA01# | |
| | | | | ±0.5pF | GRM1885C2A8R7DA01# | |
| | | | 8.8pF | ±0.05pF | GRM1885C2A8R8WA01# | |
| | | | | ±0.1pF | GRM1885C2A8R8BA01# | |
| | | | | ±0.25pF | GRM1885C2A8R8CA01# | |
| | | | | ±0.5pF | GRM1885C2A8R8DA01# | |
| | | | 8.9pF | ±0.05pF | GRM1885C2A8R9WA01# | |
| | | | | ±0.1pF | GRM1885C2A8R9BA01# | |
| | | | | ±0.25pF | GRM1885C2A8R9CA01# | |
| | | | | ±0.5pF | GRM1885C2A8R9DA01# | |
| | | | 9.0pF | ±0.05pF | GRM1885C2A9R0WA01# | |
| | | | | ±0.1pF | GRM1885C2A9R0BA01# | |
| | | | | ±0.25pF | GRM1885C2A9R0CA01# | |
| | | | | ±0.5pF | GRM1885C2A9R0DA01# | |
| | | | 9.1pF | ±0.05pF | GRM1885C2A9R1WA01# | |
| | | | | ±0.1pF | GRM1885C2A9R1BA01# | |
| | | | | ±0.25pF | GRM1885C2A9R1CA01# | |
| | | | | ±0.5pF | GRM1885C2A9R1DA01# | |
| | | | 9.2pF | ±0.05pF | GRM1885C2A9R2WA01# | |
| | | | | ±0.1pF | GRM1885C2A9R2BA01# | |
| | | | | ±0.25pF | GRM1885C2A9R2CA01# | |
| | | | | ±0.5pF | GRM1885C2A9R2DA01# | |
| | | | 9.3pF | ±0.05pF | GRM1885C2A9R3WA01# | |
| | | | | ±0.1pF | GRM1885C2A9R3BA01# | |
| | | | | ±0.25pF | GRM1885C2A9R3CA01# | |
| | | | | ±0.5pF | GRM1885C2A9R3DA01# | |
| | | | 9.4pF | ±0.05pF | GRM1885C2A9R4WA01# | |
| | | | | ±0.1pF | GRM1885C2A9R4BA01# | |
| | | | | ±0.25pF | GRM1885C2A9R4CA01# | |
| | | | | ±0.5pF | GRM1885C2A9R4DA01# | |
| | | | 9.5pF | ±0.05pF | GRM1885C2A9R5WA01# | |
| | | | | ±0.1pF | GRM1885C2A9R5BA01# | |
| | | | | ±0.25pF | GRM1885C2A9R5CA01# | |
| | | | | ±0.5pF | GRM1885C2A9R5DA01# | |
| | | | 9.6pF | ±0.05pF | GRM1885C2A9R6WA01# | |
| | | | | ±0.1pF | GRM1885C2A9R6BA01# | |
| | | | | ±0.25pF | GRM1885C2A9R6CA01# | |
| | | | | ±0.5pF | GRM1885C2A9R6DA01# | |
| | | | 9.7pF | ±0.05pF | GRM1885C2A9R7WA01# | |
| | | | | ±0.1pF | GRM1885C2A9R7BA01# | |
| | | | | ±0.25pF | GRM1885C2A9R7CA01# | |
| | | | | ±0.5pF | GRM1885C2A9R7DA01# | |
| | | | 9.8pF | ±0.05pF | GRM1885C2A9R8WA01# | |
| | | | | ±0.1pF | GRM1885C2A9R8BA01# | |
| | | | | ±0.25pF | GRM1885C2A9R8CA01# | |
| | | | | ±0.5pF | GRM1885C2A9R8DA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | C0G | 9.9pF | ±0.05pF | GRM1885C2A9R9WA01# | |
| | | | | ±0.1pF | GRM1885C2A9R9BA01# | |
| | | | | ±0.25pF | GRM1885C2A9R9CA01# | |
| | | | | ±0.5pF | GRM1885C2A9R9DA01# | |
| | | | 10pF | ±5% | GRM1885C2A100JA01# | |
| | | | 12pF | ±5% | GRM1885C2A120JA01# | |
| | | | 15pF | ±5% | GRM1885C2A150JA01# | |
| | | | 18pF | ±5% | GRM1885C2A180JA01# | |
| | | | 22pF | ±5% | GRM1885C2A220JA01# | |
| | | | 27pF | ±5% | GRM1885C2A270JA01# | |
| | | | 33pF | ±5% | GRM1885C2A330JA01# | |
| | | | 39pF | ±5% | GRM1885C2A390JA01# | |
| | | | 47pF | ±5% | GRM1885C2A470JA01# | |
| | | | 56pF | ±5% | GRM1885C2A560JA01# | |
| | | | 68pF | ±5% | GRM1885C2A680JA01# | |
| | | | 82pF | ±5% | GRM1885C2A820JA01# | |
| | | | 100pF | ±5% | GRM1885C2A101JA01# | |
| | | | 120pF | ±5% | GRM1885C2A121JA01# | |
| | | | 150pF | ±5% | GRM1885C2A151JA01# | |
| | | | 180pF | ±5% | GRM1885C2A181JA01# | |
| | | | 220pF | ±5% | GRM1885C2A221JA01# | |
| | | | 270pF | ±5% | GRM1885C2A271JA01# | |
| | | | 330pF | ±5% | GRM1885C2A331JA01# | |
| | | | 390pF | ±5% | GRM1885C2A391JA01# | |
| | | | 470pF | ±5% | GRM1885C2A471JA01# | |
| | | | 560pF | ±5% | GRM1885C2A561JA01# | |
| | | | 680pF | ±5% | GRM1885C2A681JA01# | |
| | | | 820pF | ±5% | GRM1885C2A821JA01# | |
| | | | 1000pF | ±5% | GRM1885C2A102JA01# | |
| | | | 1200pF | ±5% | GRM1885C2A122JA01# | |
| | | | 1500pF | ±5% | GRM1885C2A152JA01# | |
| | | CK | 0.50pF | ±0.05pF | GRM1884C2AR50WA01# | |
| | | | | ±0.1pF | GRM1884C2AR50BA01# | |
| | | | 0.60pF | ±0.05pF | GRM1884C2AR60WA01# | |
| | | | | ±0.1pF | GRM1884C2AR60BA01# | |
| | | | 0.70pF | ±0.05pF | GRM1884C2AR70WA01# | |
| | | | | ±0.1pF | GRM1884C2AR70BA01# | |
| | | | 0.80pF | ±0.05pF | GRM1884C2AR80WA01# | |
| | | | | ±0.1pF | GRM1884C2AR80BA01# | |
| | | | 0.90pF | ±0.05pF | GRM1884C2AR90WA01# | |
| | | | | ±0.1pF | GRM1884C2AR90BA01# | |
| | | | 1.0pF | ±0.05pF | GRM1884C2A1R0WA01# | |
| | | | | ±0.1pF | GRM1884C2A1R0BA01# | |
| | | | | ±0.25pF | GRM1884C2A1R0CA01# | |
| | | | 1.1pF | ±0.05pF | GRM1884C2A1R1WA01# | |
| | | | | ±0.1pF | GRM1884C2A1R1BA01# | |
| | | | | ±0.25pF | GRM1884C2A1R1CA01# | |
| | | | 1.2pF | ±0.05pF | GRM1884C2A1R2WA01# | |
| | | | | ±0.1pF | GRM1884C2A1R2BA01# | |
| | | | | ±0.25pF | GRM1884C2A1R2CA01# | |
| | | | 1.3pF | ±0.05pF | GRM1884C2A1R3WA01# | |
| | | | | ±0.1pF | GRM1884C2A1R3BA01# | |
| | | | | ±0.25pF | GRM1884C2A1R3CA01# | |
| | | | 1.4pF | ±0.05pF | GRM1884C2A1R4WA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | CK | 1.4pF | ±0.1pF | GRM1884C2A1R4BA01# | |
| | | | | ±0.25pF | GRM1884C2A1R4CA01# | |
| | | | 1.5pF | ±0.05pF | GRM1884C2A1R5WA01# | |
| | | | | ±0.1pF | GRM1884C2A1R5BA01# | |
| | | | | ±0.25pF | GRM1884C2A1R5CA01# | |
| | | | 1.6pF | ±0.05pF | GRM1884C2A1R6WA01# | |
| | | | | ±0.1pF | GRM1884C2A1R6BA01# | |
| | | | | ±0.25pF | GRM1884C2A1R6CA01# | |
| | | | 1.7pF | ±0.05pF | GRM1884C2A1R7WA01# | |
| | | | | ±0.1pF | GRM1884C2A1R7BA01# | |
| | | | | ±0.25pF | GRM1884C2A1R7CA01# | |
| | | | 1.8pF | ±0.05pF | GRM1884C2A1R8WA01# | |
| | | | | ±0.1pF | GRM1884C2A1R8BA01# | |
| | | | | ±0.25pF | GRM1884C2A1R8CA01# | |
| | | | 1.9pF | ±0.05pF | GRM1884C2A1R9WA01# | |
| | | | | ±0.1pF | GRM1884C2A1R9BA01# | |
| | | | | ±0.25pF | GRM1884C2A1R9CA01# | |
| | | | 2.0pF | ±0.05pF | GRM1884C2A2R0WA01# | |
| | | | | ±0.1pF | GRM1884C2A2R0BA01# | |
| | | | | ±0.25pF | GRM1884C2A2R0CA01# | |
| | | CJ | 2.1pF | ±0.05pF | GRM1883C2A2R1WA01# | |
| | | | | ±0.1pF | GRM1883C2A2R1BA01# | |
| | | | | ±0.25pF | GRM1883C2A2R1CA01# | |
| | | | 2.2pF | ±0.05pF | GRM1883C2A2R2WA01# | |
| | | | | ±0.1pF | GRM1883C2A2R2BA01# | |
| | | | | ±0.25pF | GRM1883C2A2R2CA01# | |
| | | | 2.3pF | ±0.05pF | GRM1883C2A2R3WA01# | |
| | | | | ±0.1pF | GRM1883C2A2R3BA01# | |
| | | | | ±0.25pF | GRM1883C2A2R3CA01# | |
| | | | 2.4pF | ±0.05pF | GRM1883C2A2R4WA01# | |
| | | | | ±0.1pF | GRM1883C2A2R4BA01# | |
| | | | | ±0.25pF | GRM1883C2A2R4CA01# | |
| | | | 2.5pF | ±0.05pF | GRM1883C2A2R5WA01# | |
| | | | | ±0.1pF | GRM1883C2A2R5BA01# | |
| | | | | ±0.25pF | GRM1883C2A2R5CA01# | |
| | | | 2.6pF | ±0.05pF | GRM1883C2A2R6WA01# | |
| | | | | ±0.1pF | GRM1883C2A2R6BA01# | |
| | | | | ±0.25pF | GRM1883C2A2R6CA01# | |
| | | | 2.7pF | ±0.05pF | GRM1883C2A2R7WA01# | |
| | | | | ±0.1pF | GRM1883C2A2R7BA01# | |
| | | | | ±0.25pF | GRM1883C2A2R7CA01# | |
| | | | 2.8pF | ±0.05pF | GRM1883C2A2R8WA01# | |
| | | | | ±0.1pF | GRM1883C2A2R8BA01# | |
| | | | | ±0.25pF | GRM1883C2A2R8CA01# | |
| | | | 2.9pF | ±0.05pF | GRM1883C2A2R9WA01# | |
| | | | | ±0.1pF | GRM1883C2A2R9BA01# | |
| | | | | ±0.25pF | GRM1883C2A2R9CA01# | |
| | | | 3.0pF | ±0.05pF | GRM1883C2A3R0WA01# | |
| | | | | ±0.1pF | GRM1883C2A3R0BA01# | |
| | | | | ±0.25pF | GRM1883C2A3R0CA01# | |
| | | | 3.1pF | ±0.05pF | GRM1883C2A3R1WA01# | |
| | | | | ±0.1pF | GRM1883C2A3R1BA01# | |
| | | | | ±0.25pF | GRM1883C2A3R1CA01# | |
| | | | 3.2pF | ±0.05pF | GRM1883C2A3R2WA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | CJ | 3.2pF | ±0.1pF | GRM1883C2A3R2BA01# | |
| | | | | ±0.25pF | GRM1883C2A3R2CA01# | |
| | | | 3.3pF | ±0.05pF | GRM1883C2A3R3WA01# | |
| | | | | ±0.1pF | GRM1883C2A3R3BA01# | |
| | | | | ±0.25pF | GRM1883C2A3R3CA01# | |
| | | | 3.4pF | ±0.05pF | GRM1883C2A3R4WA01# | |
| | | | | ±0.1pF | GRM1883C2A3R4BA01# | |
| | | | | ±0.25pF | GRM1883C2A3R4CA01# | |
| | | | 3.5pF | ±0.05pF | GRM1883C2A3R5WA01# | |
| | | | | ±0.1pF | GRM1883C2A3R5BA01# | |
| | | | | ±0.25pF | GRM1883C2A3R5CA01# | |
| | | | 3.6pF | ±0.05pF | GRM1883C2A3R6WA01# | |
| | | | | ±0.1pF | GRM1883C2A3R6BA01# | |
| | | | | ±0.25pF | GRM1883C2A3R6CA01# | |
| | | | 3.7pF | ±0.05pF | GRM1883C2A3R7WA01# | |
| | | | | ±0.1pF | GRM1883C2A3R7BA01# | |
| | | | | ±0.25pF | GRM1883C2A3R7CA01# | |
| | | | 3.8pF | ±0.05pF | GRM1883C2A3R8WA01# | |
| | | | | ±0.1pF | GRM1883C2A3R8BA01# | |
| | | | | ±0.25pF | GRM1883C2A3R8CA01# | |
| | | | 3.9pF | ±0.05pF | GRM1883C2A3R9WA01# | |
| | | | | ±0.1pF | GRM1883C2A3R9BA01# | |
| | | | | ±0.25pF | GRM1883C2A3R9CA01# | |
| | | CH | 4.0pF | ±0.05pF | GRM1882C2A4R0WA01# | |
| | | | | ±0.1pF | GRM1882C2A4R0BA01# | |
| | | | | ±0.25pF | GRM1882C2A4R0CA01# | |
| | | | 4.1pF | ±0.05pF | GRM1882C2A4R1WA01# | |
| | | | | ±0.1pF | GRM1882C2A4R1BA01# | |
| | | | | ±0.25pF | GRM1882C2A4R1CA01# | |
| | | | 4.2pF | ±0.05pF | GRM1882C2A4R2WA01# | |
| | | | | ±0.1pF | GRM1882C2A4R2BA01# | |
| | | | | ±0.25pF | GRM1882C2A4R2CA01# | |
| | | | 4.3pF | ±0.05pF | GRM1882C2A4R3WA01# | |
| | | | | ±0.1pF | GRM1882C2A4R3BA01# | |
| | | | | ±0.25pF | GRM1882C2A4R3CA01# | |
| | | | 4.4pF | ±0.05pF | GRM1882C2A4R4WA01# | |
| | | | | ±0.1pF | GRM1882C2A4R4BA01# | |
| | | | | ±0.25pF | GRM1882C2A4R4CA01# | |
| | | | 4.5pF | ±0.05pF | GRM1882C2A4R5WA01# | |
| | | | | ±0.1pF | GRM1882C2A4R5BA01# | |
| | | | | ±0.25pF | GRM1882C2A4R5CA01# | |
| | | | 4.6pF | ±0.05pF | GRM1882C2A4R6WA01# | |
| | | | | ±0.1pF | GRM1882C2A4R6BA01# | |
| | | | | ±0.25pF | GRM1882C2A4R6CA01# | |
| | | | 4.7pF | ±0.05pF | GRM1882C2A4R7WA01# | |
| | | | | ±0.1pF | GRM1882C2A4R7BA01# | |
| | | | | ±0.25pF | GRM1882C2A4R7CA01# | |
| | | | 4.8pF | ±0.05pF | GRM1882C2A4R8WA01# | |
| | | | | ±0.1pF | GRM1882C2A4R8BA01# | |
| | | | | ±0.25pF | GRM1882C2A4R8CA01# | |
| | | | 4.9pF | ±0.05pF | GRM1882C2A4R9WA01# | |
| | | | | ±0.1pF | GRM1882C2A4R9BA01# | |
| | | | | ±0.25pF | GRM1882C2A4R9CA01# | |
| | | | 5.0pF | ±0.05pF | GRM1882C2A5R0WA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | CH | 5.0pF | ±0.1pF | GRM1882C2A5R0BA01# | |
| | | | | ±0.25pF | GRM1882C2A5R0CA01# | |
| | | | 5.1pF | ±0.05pF | GRM1882C2A5R1WA01# | |
| | | | | ±0.1pF | GRM1882C2A5R1BA01# | |
| | | | | ±0.25pF | GRM1882C2A5R1CA01# | |
| | | | | ±0.5pF | GRM1882C2A5R1DA01# | |
| | | | 5.2pF | ±0.05pF | GRM1882C2A5R2WA01# | |
| | | | | ±0.1pF | GRM1882C2A5R2BA01# | |
| | | | | ±0.25pF | GRM1882C2A5R2CA01# | |
| | | | | ±0.5pF | GRM1882C2A5R2DA01# | |
| | | | 5.3pF | ±0.05pF | GRM1882C2A5R3WA01# | |
| | | | | ±0.1pF | GRM1882C2A5R3BA01# | |
| | | | | ±0.25pF | GRM1882C2A5R3CA01# | |
| | | | | ±0.5pF | GRM1882C2A5R3DA01# | |
| | | | 5.4pF | ±0.05pF | GRM1882C2A5R4WA01# | |
| | | | | ±0.1pF | GRM1882C2A5R4BA01# | |
| | | | | ±0.25pF | GRM1882C2A5R4CA01# | |
| | | | | ±0.5pF | GRM1882C2A5R4DA01# | |
| | | | 5.5pF | ±0.05pF | GRM1882C2A5R5WA01# | |
| | | | | ±0.1pF | GRM1882C2A5R5BA01# | |
| | | | | ±0.25pF | GRM1882C2A5R5CA01# | |
| | | | | ±0.5pF | GRM1882C2A5R5DA01# | |
| | | | 5.6pF | ±0.05pF | GRM1882C2A5R6WA01# | |
| | | | | ±0.1pF | GRM1882C2A5R6BA01# | |
| | | | | ±0.25pF | GRM1882C2A5R6CA01# | |
| | | | | ±0.5pF | GRM1882C2A5R6DA01# | |
| | | | 5.7pF | ±0.05pF | GRM1882C2A5R7WA01# | |
| | | | | ±0.1pF | GRM1882C2A5R7BA01# | |
| | | | | ±0.25pF | GRM1882C2A5R7CA01# | |
| | | | | ±0.5pF | GRM1882C2A5R7DA01# | |
| | | | 5.8pF | ±0.05pF | GRM1882C2A5R8WA01# | |
| | | | | ±0.1pF | GRM1882C2A5R8BA01# | |
| | | | | ±0.25pF | GRM1882C2A5R8CA01# | |
| | | | | ±0.5pF | GRM1882C2A5R8DA01# | |
| | | | 5.9pF | ±0.05pF | GRM1882C2A5R9WA01# | |
| | | | | ±0.1pF | GRM1882C2A5R9BA01# | |
| | | | | ±0.25pF | GRM1882C2A5R9CA01# | |
| | | | | ±0.5pF | GRM1882C2A5R9DA01# | |
| | | | 6.0pF | ±0.05pF | GRM1882C2A6R0WA01# | |
| | | | | ±0.1pF | GRM1882C2A6R0BA01# | |
| | | | | ±0.25pF | GRM1882C2A6R0CA01# | |
| | | | | ±0.5pF | GRM1882C2A6R0DA01# | |
| | | | 6.1pF | ±0.05pF | GRM1882C2A6R1WA01# | |
| | | | | ±0.1pF | GRM1882C2A6R1BA01# | |
| | | | | ±0.25pF | GRM1882C2A6R1CA01# | |
| | | | | ±0.5pF | GRM1882C2A6R1DA01# | |
| | | | 6.2pF | ±0.05pF | GRM1882C2A6R2WA01# | |
| | | | | ±0.1pF | GRM1882C2A6R2BA01# | |
| | | | | ±0.25pF | GRM1882C2A6R2CA01# | |
| | | | | ±0.5pF | GRM1882C2A6R2DA01# | |
| | | | 6.3pF | ±0.05pF | GRM1882C2A6R3WA01# | |
| | | | | ±0.1pF | GRM1882C2A6R3BA01# | |
| | | | | ±0.25pF | GRM1882C2A6R3CA01# | |
| | | | | ±0.5pF | GRM1882C2A6R3DA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | CH | 6.4pF | ±0.05pF | GRM1882C2A6R4WA01# | |
| | | | | ±0.1pF | GRM1882C2A6R4BA01# | |
| | | | | ±0.25pF | GRM1882C2A6R4CA01# | |
| | | | | ±0.5pF | GRM1882C2A6R4DA01# | |
| | | | 6.5pF | ±0.05pF | GRM1882C2A6R5WA01# | |
| | | | | ±0.1pF | GRM1882C2A6R5BA01# | |
| | | | | ±0.25pF | GRM1882C2A6R5CA01# | |
| | | | | ±0.5pF | GRM1882C2A6R5DA01# | |
| | | | 6.6pF | ±0.05pF | GRM1882C2A6R6WA01# | |
| | | | | ±0.1pF | GRM1882C2A6R6BA01# | |
| | | | | ±0.25pF | GRM1882C2A6R6CA01# | |
| | | | | ±0.5pF | GRM1882C2A6R6DA01# | |
| | | | 6.7pF | ±0.05pF | GRM1882C2A6R7WA01# | |
| | | | | ±0.1pF | GRM1882C2A6R7BA01# | |
| | | | | ±0.25pF | GRM1882C2A6R7CA01# | |
| | | | | ±0.5pF | GRM1882C2A6R7DA01# | |
| | | | 6.8pF | ±0.05pF | GRM1882C2A6R8WA01# | |
| | | | | ±0.1pF | GRM1882C2A6R8BA01# | |
| | | | | ±0.25pF | GRM1882C2A6R8CA01# | |
| | | | | ±0.5pF | GRM1882C2A6R8DA01# | |
| | | | 6.9pF | ±0.05pF | GRM1882C2A6R9WA01# | |
| | | | | ±0.1pF | GRM1882C2A6R9BA01# | |
| | | | | ±0.25pF | GRM1882C2A6R9CA01# | |
| | | | | ±0.5pF | GRM1882C2A6R9DA01# | |
| | | | 7.0pF | ±0.05pF | GRM1882C2A7R0WA01# | |
| | | | | ±0.1pF | GRM1882C2A7R0BA01# | |
| | | | | ±0.25pF | GRM1882C2A7R0CA01# | |
| | | | | ±0.5pF | GRM1882C2A7R0DA01# | |
| | | | 7.1pF | ±0.05pF | GRM1882C2A7R1WA01# | |
| | | | | ±0.1pF | GRM1882C2A7R1BA01# | |
| | | | | ±0.25pF | GRM1882C2A7R1CA01# | |
| | | | | ±0.5pF | GRM1882C2A7R1DA01# | |
| | | | 7.2pF | ±0.05pF | GRM1882C2A7R2WA01# | |
| | | | | ±0.1pF | GRM1882C2A7R2BA01# | |
| | | | | ±0.25pF | GRM1882C2A7R2CA01# | |
| | | | | ±0.5pF | GRM1882C2A7R2DA01# | |
| | | | 7.3pF | ±0.05pF | GRM1882C2A7R3WA01# | |
| | | | | ±0.1pF | GRM1882C2A7R3BA01# | |
| | | | | ±0.25pF | GRM1882C2A7R3CA01# | |
| | | | | ±0.5pF | GRM1882C2A7R3DA01# | |
| | | | 7.4pF | ±0.05pF | GRM1882C2A7R4WA01# | |
| | | | | ±0.1pF | GRM1882C2A7R4BA01# | |
| | | | | ±0.25pF | GRM1882C2A7R4CA01# | |
| | | | | ±0.5pF | GRM1882C2A7R4DA01# | |
| | | | 7.5pF | ±0.05pF | GRM1882C2A7R5WA01# | |
| | | | | ±0.1pF | GRM1882C2A7R5BA01# | |
| | | | | ±0.25pF | GRM1882C2A7R5CA01# | |
| | | | | ±0.5pF | GRM1882C2A7R5DA01# | |
| | | | 7.6pF | ±0.05pF | GRM1882C2A7R6WA01# | |
| | | | | ±0.1pF | GRM1882C2A7R6BA01# | |
| | | | | ±0.25pF | GRM1882C2A7R6CA01# | |
| | | | | ±0.5pF | GRM1882C2A7R6DA01# | |
| | | | 7.7pF | ±0.05pF | GRM1882C2A7R7WA01# | |
| | | | | ±0.1pF | GRM1882C2A7R7BA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | CH | 7.7pF | ±0.25pF | GRM1882C2A7R7CA01# | |
| | | | | ±0.5pF | GRM1882C2A7R7DA01# | |
| | | | 7.8pF | ±0.05pF | GRM1882C2A7R8WA01# | |
| | | | | ±0.1pF | GRM1882C2A7R8BA01# | |
| | | | | ±0.25pF | GRM1882C2A7R8CA01# | |
| | | | | ±0.5pF | GRM1882C2A7R8DA01# | |
| | | | 7.9pF | ±0.05pF | GRM1882C2A7R9WA01# | |
| | | | | ±0.1pF | GRM1882C2A7R9BA01# | |
| | | | | ±0.25pF | GRM1882C2A7R9CA01# | |
| | | | | ±0.5pF | GRM1882C2A7R9DA01# | |
| | | | 8.0pF | ±0.05pF | GRM1882C2A8R0WA01# | |
| | | | | ±0.1pF | GRM1882C2A8R0BA01# | |
| | | | | ±0.25pF | GRM1882C2A8R0CA01# | |
| | | | | ±0.5pF | GRM1882C2A8R0DA01# | |
| | | | 8.1pF | ±0.05pF | GRM1882C2A8R1WA01# | |
| | | | | ±0.1pF | GRM1882C2A8R1BA01# | |
| | | | | ±0.25pF | GRM1882C2A8R1CA01# | |
| | | | | ±0.5pF | GRM1882C2A8R1DA01# | |
| | | | 8.2pF | ±0.05pF | GRM1882C2A8R2WA01# | |
| | | | | ±0.1pF | GRM1882C2A8R2BA01# | |
| | | | | ±0.25pF | GRM1882C2A8R2CA01# | |
| | | | | ±0.5pF | GRM1882C2A8R2DA01# | |
| | | | 8.3pF | ±0.05pF | GRM1882C2A8R3WA01# | |
| | | | | ±0.1pF | GRM1882C2A8R3BA01# | |
| | | | | ±0.25pF | GRM1882C2A8R3CA01# | |
| | | | | ±0.5pF | GRM1882C2A8R3DA01# | |
| | | | 8.4pF | ±0.05pF | GRM1882C2A8R4WA01# | |
| | | | | ±0.1pF | GRM1882C2A8R4BA01# | |
| | | | | ±0.25pF | GRM1882C2A8R4CA01# | |
| | | | | ±0.5pF | GRM1882C2A8R4DA01# | |
| | | | 8.5pF | ±0.05pF | GRM1882C2A8R5WA01# | |
| | | | | ±0.1pF | GRM1882C2A8R5BA01# | |
| | | | | ±0.25pF | GRM1882C2A8R5CA01# | |
| | | | | ±0.5pF | GRM1882C2A8R5DA01# | |
| | | | 8.6pF | ±0.05pF | GRM1882C2A8R6WA01# | |
| | | | | ±0.1pF | GRM1882C2A8R6BA01# | |
| | | | | ±0.25pF | GRM1882C2A8R6CA01# | |
| | | | | ±0.5pF | GRM1882C2A8R6DA01# | |
| | | | 8.7pF | ±0.05pF | GRM1882C2A8R7WA01# | |
| | | | | ±0.1pF | GRM1882C2A8R7BA01# | |
| | | | | ±0.25pF | GRM1882C2A8R7CA01# | |
| | | | | ±0.5pF | GRM1882C2A8R7DA01# | |
| | | | 8.8pF | ±0.05pF | GRM1882C2A8R8WA01# | |
| | | | | ±0.1pF | GRM1882C2A8R8BA01# | |
| | | | | ±0.25pF | GRM1882C2A8R8CA01# | |
| | | | | ±0.5pF | GRM1882C2A8R8DA01# | |
| | | | 8.9pF | ±0.05pF | GRM1882C2A8R9WA01# | |
| | | | | ±0.1pF | GRM1882C2A8R9BA01# | |
| | | | | ±0.25pF | GRM1882C2A8R9CA01# | |
| | | | | ±0.5pF | GRM1882C2A8R9DA01# | |
| | | | 9.0pF | ±0.05pF | GRM1882C2A9R0WA01# | |
| | | | | ±0.1pF | GRM1882C2A9R0BA01# | |
| | | | | ±0.25pF | GRM1882C2A9R0CA01# | |
| | | | | ±0.5pF | GRM1882C2A9R0DA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | CH | 9.1pF | ±0.05pF | GRM1882C2A9R1WA01# | |
| | | | | ±0.1pF | GRM1882C2A9R1BA01# | |
| | | | | ±0.25pF | GRM1882C2A9R1CA01# | |
| | | | | ±0.5pF | GRM1882C2A9R1DA01# | |
| | | | 9.2pF | ±0.05pF | GRM1882C2A9R2WA01# | |
| | | | | ±0.1pF | GRM1882C2A9R2BA01# | |
| | | | | ±0.25pF | GRM1882C2A9R2CA01# | |
| | | | | ±0.5pF | GRM1882C2A9R2DA01# | |
| | | | 9.3pF | ±0.05pF | GRM1882C2A9R3WA01# | |
| | | | | ±0.1pF | GRM1882C2A9R3BA01# | |
| | | | | ±0.25pF | GRM1882C2A9R3CA01# | |
| | | | | ±0.5pF | GRM1882C2A9R3DA01# | |
| | | | 9.4pF | ±0.05pF | GRM1882C2A9R4WA01# | |
| | | | | ±0.1pF | GRM1882C2A9R4BA01# | |
| | | | | ±0.25pF | GRM1882C2A9R4CA01# | |
| | | | | ±0.5pF | GRM1882C2A9R4DA01# | |
| | | | 9.5pF | ±0.05pF | GRM1882C2A9R5WA01# | |
| | | | | ±0.1pF | GRM1882C2A9R5BA01# | |
| | | | | ±0.25pF | GRM1882C2A9R5CA01# | |
| | | | | ±0.5pF | GRM1882C2A9R5DA01# | |
| | | | 9.6pF | ±0.05pF | GRM1882C2A9R6WA01# | |
| | | | | ±0.1pF | GRM1882C2A9R6BA01# | |
| | | | | ±0.25pF | GRM1882C2A9R6CA01# | |
| | | | | ±0.5pF | GRM1882C2A9R6DA01# | |
| | | | 9.7pF | ±0.05pF | GRM1882C2A9R7WA01# | |
| | | | | ±0.1pF | GRM1882C2A9R7BA01# | |
| | | | | ±0.25pF | GRM1882C2A9R7CA01# | |
| | | | | ±0.5pF | GRM1882C2A9R7DA01# | |
| | | | 9.8pF | ±0.05pF | GRM1882C2A9R8WA01# | |
| | | | | ±0.1pF | GRM1882C2A9R8BA01# | |
| | | | | ±0.25pF | GRM1882C2A9R8CA01# | |
| | | | | ±0.5pF | GRM1882C2A9R8DA01# | |
| | | | 9.9pF | ±0.05pF | GRM1882C2A9R9WA01# | |
| | | | | ±0.1pF | GRM1882C2A9R9BA01# | |
| | | | | ±0.25pF | GRM1882C2A9R9CA01# | |
| | | | | ±0.5pF | GRM1882C2A9R9DA01# | |
| | | | 10pF | ±5% | GRM1882C2A100JA01# | |
| | | | 12pF | ±5% | GRM1882C2A120JA01# | |
| | | | 15pF | ±5% | GRM1882C2A150JA01# | |
| | | | 18pF | ±5% | GRM1882C2A180JA01# | |
| | | | 22pF | ±5% | GRM1882C2A220JA01# | |
| | | | 27pF | ±5% | GRM1882C2A270JA01# | |
| | | | 33pF | ±5% | GRM1882C2A330JA01# | |
| | | | 39pF | ±5% | GRM1882C2A390JA01# | |
| | | | 47pF | ±5% | GRM1882C2A470JA01# | |
| | | | 56pF | ±5% | GRM1882C2A560JA01# | |
| | | | 68pF | ±5% | GRM1882C2A680JA01# | |
| | | | 82pF | ±5% | GRM1882C2A820JA01# | |
| | | | 100pF | ±5% | GRM1882C2A101JA01# | |
| | | | 120pF | ±5% | GRM1882C2A121JA01# | |
| | | | 150pF | ±5% | GRM1882C2A151JA01# | |
| | | | 180pF | ±5% | GRM1882C2A181JA01# | |
| | | | 220pF | ±5% | GRM1882C2A221JA01# | |
| | | | 270pF | ±5% | GRM1882C2A271JA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | CH | 330pF | ±5% | GRM1882C2A331JA01# | |
| | | | 390pF | ±5% | GRM1882C2A391JA01# | |
| | | | 470pF | ±5% | GRM1882C2A471JA01# | |
| | | | 560pF | ±5% | GRM1882C2A561JA01# | |
| | | | 680pF | ±5% | GRM1882C2A681JA01# | |
| | | | 820pF | ±5% | GRM1882C2A821JA01# | |
| | | | 1000pF | ±5% | GRM1882C2A102JA01# | |
| | | | 1200pF | ±5% | GRM1882C2A122JA01# | |
| | | | 1500pF | ±5% | GRM1882C2A152JA01# | |
| | 50Vdc | C0G | 0.50pF | ±0.05pF | GRM1885C1HR50WA01# | |
| | | | | ±0.1pF | GRM1885C1HR50BA01# | |
| | | | 0.60pF | ±0.05pF | GRM1885C1HR60WA01# | |
| | | | | ±0.1pF | GRM1885C1HR60BA01# | |
| | | | 0.70pF | ±0.05pF | GRM1885C1HR70WA01# | |
| | | | | ±0.1pF | GRM1885C1HR70BA01# | |
| | | | 0.80pF | ±0.05pF | GRM1885C1HR80WA01# | |
| | | | | ±0.1pF | GRM1885C1HR80BA01# | |
| | | | 0.90pF | ±0.05pF | GRM1885C1HR90WA01# | |
| | | | | ±0.1pF | GRM1885C1HR90BA01# | |
| | | | 1.0pF | ±0.05pF | GRM1885C1H1R0WA01# | |
| | | | | ±0.1pF | GRM1885C1H1R0BA01# | |
| | | | | ±0.25pF | GRM1885C1H1R0CA01# | |
| | | | 1.1pF | ±0.05pF | GRM1885C1H1R1WA01# | |
| | | | | ±0.1pF | GRM1885C1H1R1BA01# | |
| | | | | ±0.25pF | GRM1885C1H1R1CA01# | |
| | | | 1.2pF | ±0.05pF | GRM1885C1H1R2WA01# | |
| | | | | ±0.1pF | GRM1885C1H1R2BA01# | |
| | | | | ±0.25pF | GRM1885C1H1R2CA01# | |
| | | | 1.3pF | ±0.05pF | GRM1885C1H1R3WA01# | |
| | | | | ±0.1pF | GRM1885C1H1R3BA01# | |
| | | | | ±0.25pF | GRM1885C1H1R3CA01# | |
| | | | 1.4pF | ±0.05pF | GRM1885C1H1R4WA01# | |
| | | | | ±0.1pF | GRM1885C1H1R4BA01# | |
| | | | | ±0.25pF | GRM1885C1H1R4CA01# | |
| | | | 1.5pF | ±0.05pF | GRM1885C1H1R5WA01# | |
| | | | | ±0.1pF | GRM1885C1H1R5BA01# | |
| | | | | ±0.25pF | GRM1885C1H1R5CA01# | |
| | | | 1.6pF | ±0.05pF | GRM1885C1H1R6WA01# | |
| | | | | ±0.1pF | GRM1885C1H1R6BA01# | |
| | | | | ±0.25pF | GRM1885C1H1R6CA01# | |
| | | | 1.7pF | ±0.05pF | GRM1885C1H1R7WA01# | |
| | | | | ±0.1pF | GRM1885C1H1R7BA01# | |
| | | | | ±0.25pF | GRM1885C1H1R7CA01# | |
| | | | 1.8pF | ±0.05pF | GRM1885C1H1R8WA01# | |
| | | | | ±0.1pF | GRM1885C1H1R8BA01# | |
| | | | | ±0.25pF | GRM1885C1H1R8CA01# | |
| | | | 1.9pF | ±0.05pF | GRM1885C1H1R9WA01# | |
| | | | | ±0.1pF | GRM1885C1H1R9BA01# | |
| | | | | ±0.25pF | GRM1885C1H1R9CA01# | |
| | | | 2.0pF | ±0.05pF | GRM1885C1H2R0WA01# | |
| | | | | ±0.1pF | GRM1885C1H2R0BA01# | |
| | | | | ±0.25pF | GRM1885C1H2R0CA01# | |
| | | | 2.1pF | ±0.05pF | GRM1885C1H2R1WA01# | |
| | | | | ±0.1pF | GRM1885C1H2R1BA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | C0G | 2.1pF | ±0.25pF | GRM1885C1H2R1CA01# | |
| | | | 2.2pF | ±0.05pF | GRM1885C1H2R2WA01# | |
| | | | | ±0.1pF | GRM1885C1H2R2BA01# | |
| | | | | ±0.25pF | GRM1885C1H2R2CA01# | |
| | | | 2.3pF | ±0.05pF | GRM1885C1H2R3WA01# | |
| | | | | ±0.1pF | GRM1885C1H2R3BA01# | |
| | | | | ±0.25pF | GRM1885C1H2R3CA01# | |
| | | | 2.4pF | ±0.05pF | GRM1885C1H2R4WA01# | |
| | | | | ±0.1pF | GRM1885C1H2R4BA01# | |
| | | | | ±0.25pF | GRM1885C1H2R4CA01# | |
| | | | 2.5pF | ±0.05pF | GRM1885C1H2R5WA01# | |
| | | | | ±0.1pF | GRM1885C1H2R5BA01# | |
| | | | | ±0.25pF | GRM1885C1H2R5CA01# | |
| | | | 2.6pF | ±0.05pF | GRM1885C1H2R6WA01# | |
| | | | | ±0.1pF | GRM1885C1H2R6BA01# | |
| | | | | ±0.25pF | GRM1885C1H2R6CA01# | |
| | | | 2.7pF | ±0.05pF | GRM1885C1H2R7WA01# | |
| | | | | ±0.1pF | GRM1885C1H2R7BA01# | |
| | | | | ±0.25pF | GRM1885C1H2R7CA01# | |
| | | | 2.8pF | ±0.05pF | GRM1885C1H2R8WA01# | |
| | | | | ±0.1pF | GRM1885C1H2R8BA01# | |
| | | | | ±0.25pF | GRM1885C1H2R8CA01# | |
| | | | 2.9pF | ±0.05pF | GRM1885C1H2R9WA01# | |
| | | | | ±0.1pF | GRM1885C1H2R9BA01# | |
| | | | | ±0.25pF | GRM1885C1H2R9CA01# | |
| | | | 3.0pF | ±0.05pF | GRM1885C1H3R0WA01# | |
| | | | | ±0.1pF | GRM1885C1H3R0BA01# | |
| | | | | ±0.25pF | GRM1885C1H3R0CA01# | |
| | | | 3.1pF | ±0.05pF | GRM1885C1H3R1WA01# | |
| | | | | ±0.1pF | GRM1885C1H3R1BA01# | |
| | | | | ±0.25pF | GRM1885C1H3R1CA01# | |
| | | | 3.2pF | ±0.05pF | GRM1885C1H3R2WA01# | |
| | | | | ±0.1pF | GRM1885C1H3R2BA01# | |
| | | | | ±0.25pF | GRM1885C1H3R2CA01# | |
| | | | 3.3pF | ±0.05pF | GRM1885C1H3R3WA01# | |
| | | | | ±0.1pF | GRM1885C1H3R3BA01# | |
| | | | | ±0.25pF | GRM1885C1H3R3CA01# | |
| | | | 3.4pF | ±0.05pF | GRM1885C1H3R4WA01# | |
| | | | | ±0.1pF | GRM1885C1H3R4BA01# | |
| | | | | ±0.25pF | GRM1885C1H3R4CA01# | |
| | | | 3.5pF | ±0.05pF | GRM1885C1H3R5WA01# | |
| | | | | ±0.1pF | GRM1885C1H3R5BA01# | |
| | | | | ±0.25pF | GRM1885C1H3R5CA01# | |
| | | | 3.6pF | ±0.05pF | GRM1885C1H3R6WA01# | |
| | | | | ±0.1pF | GRM1885C1H3R6BA01# | |
| | | | | ±0.25pF | GRM1885C1H3R6CA01# | |
| | | | 3.7pF | ±0.05pF | GRM1885C1H3R7WA01# | |
| | | | | ±0.1pF | GRM1885C1H3R7BA01# | |
| | | | | ±0.25pF | GRM1885C1H3R7CA01# | |
| | | | 3.8pF | ±0.05pF | GRM1885C1H3R8WA01# | |
| | | | | ±0.1pF | GRM1885C1H3R8BA01# | |
| | | | | ±0.25pF | GRM1885C1H3R8CA01# | |
| | | | 3.9pF | ±0.05pF | GRM1885C1H3R9WA01# | |
| | | | | ±0.1pF | GRM1885C1H3R9BA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | C0G | 3.9pF | ±0.25pF | GRM1885C1H3R9CA01# | |
| | | | 4.0pF | ±0.05pF | GRM1885C1H4R0WA01# | |
| | | | | ±0.1pF | GRM1885C1H4R0BA01# | |
| | | | | ±0.25pF | GRM1885C1H4R0CA01# | |
| | | | 4.1pF | ±0.05pF | GRM1885C1H4R1WA01# | |
| | | | | ±0.1pF | GRM1885C1H4R1BA01# | |
| | | | | ±0.25pF | GRM1885C1H4R1CA01# | |
| | | | 4.2pF | ±0.05pF | GRM1885C1H4R2WA01# | |
| | | | | ±0.1pF | GRM1885C1H4R2BA01# | |
| | | | | ±0.25pF | GRM1885C1H4R2CA01# | |
| | | | 4.3pF | ±0.05pF | GRM1885C1H4R3WA01# | |
| | | | | ±0.1pF | GRM1885C1H4R3BA01# | |
| | | | | ±0.25pF | GRM1885C1H4R3CA01# | |
| | | | 4.4pF | ±0.05pF | GRM1885C1H4R4WA01# | |
| | | | | ±0.1pF | GRM1885C1H4R4BA01# | |
| | | | | ±0.25pF | GRM1885C1H4R4CA01# | |
| | | | 4.5pF | ±0.05pF | GRM1885C1H4R5WA01# | |
| | | | | ±0.1pF | GRM1885C1H4R5BA01# | |
| | | | | ±0.25pF | GRM1885C1H4R5CA01# | |
| | | | 4.6pF | ±0.05pF | GRM1885C1H4R6WA01# | |
| | | | | ±0.1pF | GRM1885C1H4R6BA01# | |
| | | | | ±0.25pF | GRM1885C1H4R6CA01# | |
| | | | 4.7pF | ±0.05pF | GRM1885C1H4R7WA01# | |
| | | | | ±0.1pF | GRM1885C1H4R7BA01# | |
| | | | | ±0.25pF | GRM1885C1H4R7CA01# | |
| | | | 4.8pF | ±0.05pF | GRM1885C1H4R8WA01# | |
| | | | | ±0.1pF | GRM1885C1H4R8BA01# | |
| | | | | ±0.25pF | GRM1885C1H4R8CA01# | |
| | | | 4.9pF | ±0.05pF | GRM1885C1H4R9WA01# | |
| | | | | ±0.1pF | GRM1885C1H4R9BA01# | |
| | | | | ±0.25pF | GRM1885C1H4R9CA01# | |
| | | | 5.0pF | ±0.05pF | GRM1885C1H5R0WA01# | |
| | | | | ±0.1pF | GRM1885C1H5R0BA01# | |
| | | | | ±0.25pF | GRM1885C1H5R0CA01# | |
| | | | 5.1pF | ±0.05pF | GRM1885C1H5R1WA01# | |
| | | | | ±0.1pF | GRM1885C1H5R1BA01# | |
| | | | | ±0.25pF | GRM1885C1H5R1CA01# | |
| | | | | ±0.5pF | GRM1885C1H5R1DA01# | |
| | | | 5.2pF | ±0.05pF | GRM1885C1H5R2WA01# | |
| | | | | ±0.1pF | GRM1885C1H5R2BA01# | |
| | | | | ±0.25pF | GRM1885C1H5R2CA01# | |
| | | | | ±0.5pF | GRM1885C1H5R2DA01# | |
| | | | 5.3pF | ±0.05pF | GRM1885C1H5R3WA01# | |
| | | | | ±0.1pF | GRM1885C1H5R3BA01# | |
| | | | | ±0.25pF | GRM1885C1H5R3CA01# | |
| | | | | ±0.5pF | GRM1885C1H5R3DA01# | |
| | | | 5.4pF | ±0.05pF | GRM1885C1H5R4WA01# | |
| | | | | ±0.1pF | GRM1885C1H5R4BA01# | |
| | | | | ±0.25pF | GRM1885C1H5R4CA01# | |
| | | | | ±0.5pF | GRM1885C1H5R4DA01# | |
| | | | 5.5pF | ±0.05pF | GRM1885C1H5R5WA01# | |
| | | | | ±0.1pF | GRM1885C1H5R5BA01# | |
| | | | | ±0.25pF | GRM1885C1H5R5CA01# | |
| | | | | ±0.5pF | GRM1885C1H5R5DA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | C0G | 5.6pF | ±0.05pF | **GRM1885C1H5R6WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H5R6BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H5R6CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H5R6DA01#** | |
| | | | 5.7pF | ±0.05pF | **GRM1885C1H5R7WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H5R7BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H5R7CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H5R7DA01#** | |
| | | | 5.8pF | ±0.05pF | **GRM1885C1H5R8WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H5R8BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H5R8CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H5R8DA01#** | |
| | | | 5.9pF | ±0.05pF | **GRM1885C1H5R9WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H5R9BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H5R9CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H5R9DA01#** | |
| | | | 6.0pF | ±0.05pF | **GRM1885C1H6R0WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H6R0BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H6R0CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H6R0DA01#** | |
| | | | 6.1pF | ±0.05pF | **GRM1885C1H6R1WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H6R1BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H6R1CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H6R1DA01#** | |
| | | | 6.2pF | ±0.05pF | **GRM1885C1H6R2WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H6R2BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H6R2CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H6R2DA01#** | |
| | | | 6.3pF | ±0.05pF | **GRM1885C1H6R3WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H6R3BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H6R3CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H6R3DA01#** | |
| | | | 6.4pF | ±0.05pF | **GRM1885C1H6R4WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H6R4BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H6R4CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H6R4DA01#** | |
| | | | 6.5pF | ±0.05pF | **GRM1885C1H6R5WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H6R5BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H6R5CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H6R5DA01#** | |
| | | | 6.6pF | ±0.05pF | **GRM1885C1H6R6WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H6R6BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H6R6CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H6R6DA01#** | |
| | | | 6.7pF | ±0.05pF | **GRM1885C1H6R7WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H6R7BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H6R7CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H6R7DA01#** | |
| | | | 6.8pF | ±0.05pF | **GRM1885C1H6R8WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H6R8BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H6R8CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H6R8DA01#** | |
| | | | 6.9pF | ±0.05pF | **GRM1885C1H6R9WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H6R9BA01#** | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | C0G | 6.9pF | ±0.25pF | **GRM1885C1H6R9CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H6R9DA01#** | |
| | | | 7.0pF | ±0.05pF | **GRM1885C1H7R0WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H7R0BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H7R0CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H7R0DA01#** | |
| | | | 7.1pF | ±0.05pF | **GRM1885C1H7R1WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H7R1BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H7R1CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H7R1DA01#** | |
| | | | 7.2pF | ±0.05pF | **GRM1885C1H7R2WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H7R2BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H7R2CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H7R2DA01#** | |
| | | | 7.3pF | ±0.05pF | **GRM1885C1H7R3WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H7R3BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H7R3CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H7R3DA01#** | |
| | | | 7.4pF | ±0.05pF | **GRM1885C1H7R4WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H7R4BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H7R4CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H7R4DA01#** | |
| | | | 7.5pF | ±0.05pF | **GRM1885C1H7R5WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H7R5BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H7R5CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H7R5DA01#** | |
| | | | 7.6pF | ±0.05pF | **GRM1885C1H7R6WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H7R6BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H7R6CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H7R6DA01#** | |
| | | | 7.7pF | ±0.05pF | **GRM1885C1H7R7WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H7R7BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H7R7CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H7R7DA01#** | |
| | | | 7.8pF | ±0.05pF | **GRM1885C1H7R8WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H7R8BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H7R8CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H7R8DA01#** | |
| | | | 7.9pF | ±0.05pF | **GRM1885C1H7R9WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H7R9BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H7R9CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H7R9DA01#** | |
| | | | 8.0pF | ±0.05pF | **GRM1885C1H8R0WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H8R0BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H8R0CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H8R0DA01#** | |
| | | | 8.1pF | ±0.05pF | **GRM1885C1H8R1WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H8R1BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H8R1CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H8R1DA01#** | |
| | | | 8.2pF | ±0.05pF | **GRM1885C1H8R2WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H8R2BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H8R2CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H8R2DA01#** | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | C0G | 8.3pF | ±0.05pF | **GRM1885C1H8R3WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H8R3BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H8R3CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H8R3DA01#** | |
| | | | 8.4pF | ±0.05pF | **GRM1885C1H8R4WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H8R4BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H8R4CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H8R4DA01#** | |
| | | | 8.5pF | ±0.05pF | **GRM1885C1H8R5WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H8R5BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H8R5CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H8R5DA01#** | |
| | | | 8.6pF | ±0.05pF | **GRM1885C1H8R6WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H8R6BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H8R6CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H8R6DA01#** | |
| | | | 8.7pF | ±0.05pF | **GRM1885C1H8R7WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H8R7BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H8R7CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H8R7DA01#** | |
| | | | 8.8pF | ±0.05pF | **GRM1885C1H8R8WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H8R8BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H8R8CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H8R8DA01#** | |
| | | | 8.9pF | ±0.05pF | **GRM1885C1H8R9WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H8R9BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H8R9CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H8R9DA01#** | |
| | | | 9.0pF | ±0.05pF | **GRM1885C1H9R0WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H9R0BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H9R0CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H9R0DA01#** | |
| | | | 9.1pF | ±0.05pF | **GRM1885C1H9R1WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H9R1BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H9R1CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H9R1DA01#** | |
| | | | 9.2pF | ±0.05pF | **GRM1885C1H9R2WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H9R2BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H9R2CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H9R2DA01#** | |
| | | | 9.3pF | ±0.05pF | **GRM1885C1H9R3WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H9R3BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H9R3CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H9R3DA01#** | |
| | | | 9.4pF | ±0.05pF | **GRM1885C1H9R4WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H9R4BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H9R4CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H9R4DA01#** | |
| | | | 9.5pF | ±0.05pF | **GRM1885C1H9R5WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H9R5BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H9R5CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H9R5DA01#** | |
| | | | 9.6pF | ±0.05pF | **GRM1885C1H9R6WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H9R6BA01#** | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | C0G | 9.6pF | ±0.25pF | **GRM1885C1H9R6CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H9R6DA01#** | |
| | | | 9.7pF | ±0.05pF | **GRM1885C1H9R7WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H9R7BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H9R7CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H9R7DA01#** | |
| | | | 9.8pF | ±0.05pF | **GRM1885C1H9R8WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H9R8BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H9R8CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H9R8DA01#** | |
| | | | 9.9pF | ±0.05pF | **GRM1885C1H9R9WA01#** | |
| | | | | ±0.1pF | **GRM1885C1H9R9BA01#** | |
| | | | | ±0.25pF | **GRM1885C1H9R9CA01#** | |
| | | | | ±0.5pF | **GRM1885C1H9R9DA01#** | |
| | | | 10pF | ±5% | **GRM1885C1H100JA01#** | |
| | | | 12pF | ±5% | **GRM1885C1H120JA01#** | |
| | | | 15pF | ±5% | **GRM1885C1H150JA01#** | |
| | | | 18pF | ±5% | **GRM1885C1H180JA01#** | |
| | | | 22pF | ±5% | **GRM1885C1H220JA01#** | |
| | | | 27pF | ±5% | **GRM1885C1H270JA01#** | |
| | | | 33pF | ±5% | **GRM1885C1H330JA01#** | |
| | | | 39pF | ±5% | **GRM1885C1H390JA01#** | |
| | | | 47pF | ±5% | **GRM1885C1H470JA01#** | |
| | | | 56pF | ±5% | **GRM1885C1H560JA01#** | |
| | | | 68pF | ±5% | **GRM1885C1H680JA01#** | |
| | | | 82pF | ±5% | **GRM1885C1H820JA01#** | |
| | | | 100pF | ±5% | **GRM1885C1H101JA01#** | |
| | | | 120pF | ±5% | **GRM1885C1H121JA01#** | |
| | | | 150pF | ±5% | **GRM1885C1H151JA01#** | |
| | | | 180pF | ±5% | **GRM1885C1H181JA01#** | |
| | | | 220pF | ±5% | **GRM1885C1H221JA01#** | |
| | | | 270pF | ±5% | **GRM1885C1H271JA01#** | |
| | | | 330pF | ±5% | **GRM1885C1H331JA01#** | |
| | | | 390pF | ±5% | **GRM1885C1H391JA01#** | |
| | | | 470pF | ±5% | **GRM1885C1H471JA01#** | |
| | | | 560pF | ±5% | **GRM1885C1H561JA01#** | |
| | | | 680pF | ±5% | **GRM1885C1H681JA01#** | |
| | | | 820pF | ±5% | **GRM1885C1H821JA01#** | |
| | | | 1000pF | ±5% | **GRM1885C1H102JA01#** | |
| | | | 1200pF | ±5% | **GRM1885C1H122JA01#** | |
| | | | 1500pF | ±5% | **GRM1885C1H152JA01#** | |
| | | | 1800pF | ±5% | **GRM1885C1H182JA01#** | |
| | | | 2200pF | ±5% | **GRM1885C1H222JA01#** | |
| | | | 2700pF | ±5% | **GRM1885C1H272JA01#** | |
| | | | 3300pF | ±5% | **GRM1885C1H332JA01#** | |
| | | | 3900pF | ±5% | **GRM1885C1H392JA01#** | |
| | | | 4700pF | ±5% | **GRM1885C1H472JA01#** | |
| | | | 5600pF | ±5% | **GRM1885C1H562JA01#** | |
| | | | 6800pF | ±5% | **GRM1885C1H682JA01#** | |
| | | | 8200pF | ±5% | **GRM1885C1H822JA01#** | |
| | | | 10000pF | ±5% | **GRM1885C1H103JA01#** | |
| | | CK | 0.50pF | ±0.05pF | **GRM1884C1HR50WA01#** | |
| | | | | ±0.1pF | **GRM1884C1HR50BA01#** | |
| | | | 0.60pF | ±0.05pF | **GRM1884C1HR60WA01#** | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | CK | 0.60pF | ±0.1pF | GRM1884C1HR60BA01# | |
| | | | 0.70pF | ±0.05pF | GRM1884C1HR70WA01# | |
| | | | | ±0.1pF | GRM1884C1HR70BA01# | |
| | | | 0.80pF | ±0.05pF | GRM1884C1HR80WA01# | |
| | | | | ±0.1pF | GRM1884C1HR80BA01# | |
| | | | 0.90pF | ±0.05pF | GRM1884C1HR90WA01# | |
| | | | | ±0.1pF | GRM1884C1HR90BA01# | |
| | | | 1.0pF | ±0.05pF | GRM1884C1H1R0WA01# | |
| | | | | ±0.1pF | GRM1884C1H1R0BA01# | |
| | | | | ±0.25pF | GRM1884C1H1R0CA01# | |
| | | | 1.1pF | ±0.05pF | GRM1884C1H1R1WA01# | |
| | | | | ±0.1pF | GRM1884C1H1R1BA01# | |
| | | | | ±0.25pF | GRM1884C1H1R1CA01# | |
| | | | 1.2pF | ±0.05pF | GRM1884C1H1R2WA01# | |
| | | | | ±0.1pF | GRM1884C1H1R2BA01# | |
| | | | | ±0.25pF | GRM1884C1H1R2CA01# | |
| | | | 1.3pF | ±0.05pF | GRM1884C1H1R3WA01# | |
| | | | | ±0.1pF | GRM1884C1H1R3BA01# | |
| | | | | ±0.25pF | GRM1884C1H1R3CA01# | |
| | | | 1.4pF | ±0.05pF | GRM1884C1H1R4WA01# | |
| | | | | ±0.1pF | GRM1884C1H1R4BA01# | |
| | | | | ±0.25pF | GRM1884C1H1R4CA01# | |
| | | | 1.5pF | ±0.05pF | GRM1884C1H1R5WA01# | |
| | | | | ±0.1pF | GRM1884C1H1R5BA01# | |
| | | | | ±0.25pF | GRM1884C1H1R5CA01# | |
| | | | 1.6pF | ±0.05pF | GRM1884C1H1R6WA01# | |
| | | | | ±0.1pF | GRM1884C1H1R6BA01# | |
| | | | | ±0.25pF | GRM1884C1H1R6CA01# | |
| | | | 1.7pF | ±0.05pF | GRM1884C1H1R7WA01# | |
| | | | | ±0.1pF | GRM1884C1H1R7BA01# | |
| | | | | ±0.25pF | GRM1884C1H1R7CA01# | |
| | | | 1.8pF | ±0.05pF | GRM1884C1H1R8WA01# | |
| | | | | ±0.1pF | GRM1884C1H1R8BA01# | |
| | | | | ±0.25pF | GRM1884C1H1R8CA01# | |
| | | | 1.9pF | ±0.05pF | GRM1884C1H1R9WA01# | |
| | | | | ±0.1pF | GRM1884C1H1R9BA01# | |
| | | | | ±0.25pF | GRM1884C1H1R9CA01# | |
| | | | 2.0pF | ±0.05pF | GRM1884C1H2R0WA01# | |
| | | | | ±0.1pF | GRM1884C1H2R0BA01# | |
| | | | | ±0.25pF | GRM1884C1H2R0CA01# | |
| | | CJ | 2.1pF | ±0.05pF | GRM1883C1H2R1WA01# | |
| | | | | ±0.1pF | GRM1883C1H2R1BA01# | |
| | | | | ±0.25pF | GRM1883C1H2R1CA01# | |
| | | | 2.2pF | ±0.05pF | GRM1883C1H2R2WA01# | |
| | | | | ±0.1pF | GRM1883C1H2R2BA01# | |
| | | | | ±0.25pF | GRM1883C1H2R2CA01# | |
| | | | 2.3pF | ±0.05pF | GRM1883C1H2R3WA01# | |
| | | | | ±0.1pF | GRM1883C1H2R3BA01# | |
| | | | | ±0.25pF | GRM1883C1H2R3CA01# | |
| | | | 2.4pF | ±0.05pF | GRM1883C1H2R4WA01# | |
| | | | | ±0.1pF | GRM1883C1H2R4BA01# | |
| | | | | ±0.25pF | GRM1883C1H2R4CA01# | |
| | | | 2.5pF | ±0.05pF | GRM1883C1H2R5WA01# | |
| | | | | ±0.1pF | GRM1883C1H2R5BA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | CJ | 2.5pF | ±0.25pF | GRM1883C1H2R5CA01# | |
| | | | 2.6pF | ±0.05pF | GRM1883C1H2R6WA01# | |
| | | | | ±0.1pF | GRM1883C1H2R6BA01# | |
| | | | | ±0.25pF | GRM1883C1H2R6CA01# | |
| | | | 2.7pF | ±0.05pF | GRM1883C1H2R7WA01# | |
| | | | | ±0.1pF | GRM1883C1H2R7BA01# | |
| | | | | ±0.25pF | GRM1883C1H2R7CA01# | |
| | | | 2.8pF | ±0.05pF | GRM1883C1H2R8WA01# | |
| | | | | ±0.1pF | GRM1883C1H2R8BA01# | |
| | | | | ±0.25pF | GRM1883C1H2R8CA01# | |
| | | | 2.9pF | ±0.05pF | GRM1883C1H2R9WA01# | |
| | | | | ±0.1pF | GRM1883C1H2R9BA01# | |
| | | | | ±0.25pF | GRM1883C1H2R9CA01# | |
| | | | 3.0pF | ±0.05pF | GRM1883C1H3R0WA01# | |
| | | | | ±0.1pF | GRM1883C1H3R0BA01# | |
| | | | | ±0.25pF | GRM1883C1H3R0CA01# | |
| | | | 3.1pF | ±0.05pF | GRM1883C1H3R1WA01# | |
| | | | | ±0.1pF | GRM1883C1H3R1BA01# | |
| | | | | ±0.25pF | GRM1883C1H3R1CA01# | |
| | | | 3.2pF | ±0.05pF | GRM1883C1H3R2WA01# | |
| | | | | ±0.1pF | GRM1883C1H3R2BA01# | |
| | | | | ±0.25pF | GRM1883C1H3R2CA01# | |
| | | | 3.3pF | ±0.05pF | GRM1883C1H3R3WA01# | |
| | | | | ±0.1pF | GRM1883C1H3R3BA01# | |
| | | | | ±0.25pF | GRM1883C1H3R3CA01# | |
| | | | 3.4pF | ±0.05pF | GRM1883C1H3R4WA01# | |
| | | | | ±0.1pF | GRM1883C1H3R4BA01# | |
| | | | | ±0.25pF | GRM1883C1H3R4CA01# | |
| | | | 3.5pF | ±0.05pF | GRM1883C1H3R5WA01# | |
| | | | | ±0.1pF | GRM1883C1H3R5BA01# | |
| | | | | ±0.25pF | GRM1883C1H3R5CA01# | |
| | | | 3.6pF | ±0.05pF | GRM1883C1H3R6WA01# | |
| | | | | ±0.1pF | GRM1883C1H3R6BA01# | |
| | | | | ±0.25pF | GRM1883C1H3R6CA01# | |
| | | | 3.7pF | ±0.05pF | GRM1883C1H3R7WA01# | |
| | | | | ±0.1pF | GRM1883C1H3R7BA01# | |
| | | | | ±0.25pF | GRM1883C1H3R7CA01# | |
| | | | 3.8pF | ±0.05pF | GRM1883C1H3R8WA01# | |
| | | | | ±0.1pF | GRM1883C1H3R8BA01# | |
| | | | | ±0.25pF | GRM1883C1H3R8CA01# | |
| | | | 3.9pF | ±0.05pF | GRM1883C1H3R9WA01# | |
| | | | | ±0.1pF | GRM1883C1H3R9BA01# | |
| | | | | ±0.25pF | GRM1883C1H3R9CA01# | |
| | | CH | 4.0pF | ±0.05pF | GRM1882C1H4R0WA01# | |
| | | | | ±0.1pF | GRM1882C1H4R0BA01# | |
| | | | | ±0.25pF | GRM1882C1H4R0CA01# | |
| | | | 4.1pF | ±0.05pF | GRM1882C1H4R1WA01# | |
| | | | | ±0.1pF | GRM1882C1H4R1BA01# | |
| | | | | ±0.25pF | GRM1882C1H4R1CA01# | |
| | | | 4.2pF | ±0.05pF | GRM1882C1H4R2WA01# | |
| | | | | ±0.1pF | GRM1882C1H4R2BA01# | |
| | | | | ±0.25pF | GRM1882C1H4R2CA01# | |
| | | | 4.3pF | ±0.05pF | GRM1882C1H4R3WA01# | |
| | | | | ±0.1pF | GRM1882C1H4R3BA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | CH | 4.3pF | ±0.25pF | GRM1882C1H4R3CA01# | |
| | | | 4.4pF | ±0.05pF | GRM1882C1H4R4WA01# | |
| | | | | ±0.1pF | GRM1882C1H4R4BA01# | |
| | | | | ±0.25pF | GRM1882C1H4R4CA01# | |
| | | | 4.5pF | ±0.05pF | GRM1882C1H4R5WA01# | |
| | | | | ±0.1pF | GRM1882C1H4R5BA01# | |
| | | | | ±0.25pF | GRM1882C1H4R5CA01# | |
| | | | 4.6pF | ±0.05pF | GRM1882C1H4R6WA01# | |
| | | | | ±0.1pF | GRM1882C1H4R6BA01# | |
| | | | | ±0.25pF | GRM1882C1H4R6CA01# | |
| | | | 4.7pF | ±0.05pF | GRM1882C1H4R7WA01# | |
| | | | | ±0.1pF | GRM1882C1H4R7BA01# | |
| | | | | ±0.25pF | GRM1882C1H4R7CA01# | |
| | | | 4.8pF | ±0.05pF | GRM1882C1H4R8WA01# | |
| | | | | ±0.1pF | GRM1882C1H4R8BA01# | |
| | | | | ±0.25pF | GRM1882C1H4R8CA01# | |
| | | | 4.9pF | ±0.05pF | GRM1882C1H4R9WA01# | |
| | | | | ±0.1pF | GRM1882C1H4R9BA01# | |
| | | | | ±0.25pF | GRM1882C1H4R9CA01# | |
| | | | 5.0pF | ±0.05pF | GRM1882C1H5R0WA01# | |
| | | | | ±0.1pF | GRM1882C1H5R0BA01# | |
| | | | | ±0.25pF | GRM1882C1H5R0CA01# | |
| | | | 5.1pF | ±0.05pF | GRM1882C1H5R1WA01# | |
| | | | | ±0.1pF | GRM1882C1H5R1BA01# | |
| | | | | ±0.25pF | GRM1882C1H5R1CA01# | |
| | | | | ±0.5pF | GRM1882C1H5R1DA01# | |
| | | | 5.2pF | ±0.05pF | GRM1882C1H5R2WA01# | |
| | | | | ±0.1pF | GRM1882C1H5R2BA01# | |
| | | | | ±0.25pF | GRM1882C1H5R2CA01# | |
| | | | | ±0.5pF | GRM1882C1H5R2DA01# | |
| | | | 5.3pF | ±0.05pF | GRM1882C1H5R3WA01# | |
| | | | | ±0.1pF | GRM1882C1H5R3BA01# | |
| | | | | ±0.25pF | GRM1882C1H5R3CA01# | |
| | | | | ±0.5pF | GRM1882C1H5R3DA01# | |
| | | | 5.4pF | ±0.05pF | GRM1882C1H5R4WA01# | |
| | | | | ±0.1pF | GRM1882C1H5R4BA01# | |
| | | | | ±0.25pF | GRM1882C1H5R4CA01# | |
| | | | | ±0.5pF | GRM1882C1H5R4DA01# | |
| | | | 5.5pF | ±0.05pF | GRM1882C1H5R5WA01# | |
| | | | | ±0.1pF | GRM1882C1H5R5BA01# | |
| | | | | ±0.25pF | GRM1882C1H5R5CA01# | |
| | | | | ±0.5pF | GRM1882C1H5R5DA01# | |
| | | | 5.6pF | ±0.05pF | GRM1882C1H5R6WA01# | |
| | | | | ±0.1pF | GRM1882C1H5R6BA01# | |
| | | | | ±0.25pF | GRM1882C1H5R6CA01# | |
| | | | | ±0.5pF | GRM1882C1H5R6DA01# | |
| | | | 5.7pF | ±0.05pF | GRM1882C1H5R7WA01# | |
| | | | | ±0.1pF | GRM1882C1H5R7BA01# | |
| | | | | ±0.25pF | GRM1882C1H5R7CA01# | |
| | | | | ±0.5pF | GRM1882C1H5R7DA01# | |
| | | | 5.8pF | ±0.05pF | GRM1882C1H5R8WA01# | |
| | | | | ±0.1pF | GRM1882C1H5R8BA01# | |
| | | | | ±0.25pF | GRM1882C1H5R8CA01# | |
| | | | | ±0.5pF | GRM1882C1H5R8DA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | CH | 5.9pF | ±0.05pF | GRM1882C1H5R9WA01# | |
| | | | | ±0.1pF | GRM1882C1H5R9BA01# | |
| | | | | ±0.25pF | GRM1882C1H5R9CA01# | |
| | | | | ±0.5pF | GRM1882C1H5R9DA01# | |
| | | | 6.0pF | ±0.05pF | GRM1882C1H6R0WA01# | |
| | | | | ±0.1pF | GRM1882C1H6R0BA01# | |
| | | | | ±0.25pF | GRM1882C1H6R0CA01# | |
| | | | | ±0.5pF | GRM1882C1H6R0DA01# | |
| | | | 6.1pF | ±0.05pF | GRM1882C1H6R1WA01# | |
| | | | | ±0.1pF | GRM1882C1H6R1BA01# | |
| | | | | ±0.25pF | GRM1882C1H6R1CA01# | |
| | | | | ±0.5pF | GRM1882C1H6R1DA01# | |
| | | | 6.2pF | ±0.05pF | GRM1882C1H6R2WA01# | |
| | | | | ±0.1pF | GRM1882C1H6R2BA01# | |
| | | | | ±0.25pF | GRM1882C1H6R2CA01# | |
| | | | | ±0.5pF | GRM1882C1H6R2DA01# | |
| | | | 6.3pF | ±0.05pF | GRM1882C1H6R3WA01# | |
| | | | | ±0.1pF | GRM1882C1H6R3BA01# | |
| | | | | ±0.25pF | GRM1882C1H6R3CA01# | |
| | | | | ±0.5pF | GRM1882C1H6R3DA01# | |
| | | | 6.4pF | ±0.05pF | GRM1882C1H6R4WA01# | |
| | | | | ±0.1pF | GRM1882C1H6R4BA01# | |
| | | | | ±0.25pF | GRM1882C1H6R4CA01# | |
| | | | | ±0.5pF | GRM1882C1H6R4DA01# | |
| | | | 6.5pF | ±0.05pF | GRM1882C1H6R5WA01# | |
| | | | | ±0.1pF | GRM1882C1H6R5BA01# | |
| | | | | ±0.25pF | GRM1882C1H6R5CA01# | |
| | | | | ±0.5pF | GRM1882C1H6R5DA01# | |
| | | | 6.6pF | ±0.05pF | GRM1882C1H6R6WA01# | |
| | | | | ±0.1pF | GRM1882C1H6R6BA01# | |
| | | | | ±0.25pF | GRM1882C1H6R6CA01# | |
| | | | | ±0.5pF | GRM1882C1H6R6DA01# | |
| | | | 6.7pF | ±0.05pF | GRM1882C1H6R7WA01# | |
| | | | | ±0.1pF | GRM1882C1H6R7BA01# | |
| | | | | ±0.25pF | GRM1882C1H6R7CA01# | |
| | | | | ±0.5pF | GRM1882C1H6R7DA01# | |
| | | | 6.8pF | ±0.05pF | GRM1882C1H6R8WA01# | |
| | | | | ±0.1pF | GRM1882C1H6R8BA01# | |
| | | | | ±0.25pF | GRM1882C1H6R8CA01# | |
| | | | | ±0.5pF | GRM1882C1H6R8DA01# | |
| | | | 6.9pF | ±0.05pF | GRM1882C1H6R9WA01# | |
| | | | | ±0.1pF | GRM1882C1H6R9BA01# | |
| | | | | ±0.25pF | GRM1882C1H6R9CA01# | |
| | | | | ±0.5pF | GRM1882C1H6R9DA01# | |
| | | | 7.0pF | ±0.05pF | GRM1882C1H7R0WA01# | |
| | | | | ±0.1pF | GRM1882C1H7R0BA01# | |
| | | | | ±0.25pF | GRM1882C1H7R0CA01# | |
| | | | | ±0.5pF | GRM1882C1H7R0DA01# | |
| | | | 7.1pF | ±0.05pF | GRM1882C1H7R1WA01# | |
| | | | | ±0.1pF | GRM1882C1H7R1BA01# | |
| | | | | ±0.25pF | GRM1882C1H7R1CA01# | |
| | | | | ±0.5pF | GRM1882C1H7R1DA01# | |
| | | | 7.2pF | ±0.05pF | GRM1882C1H7R2WA01# | |
| | | | | ±0.1pF | GRM1882C1H7R2BA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | CH | 7.2pF | ±0.25pF | **GRM1882C1H7R2CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H7R2DA01#** | |
| | | | 7.3pF | ±0.05pF | **GRM1882C1H7R3WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H7R3BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H7R3CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H7R3DA01#** | |
| | | | 7.4pF | ±0.05pF | **GRM1882C1H7R4WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H7R4BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H7R4CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H7R4DA01#** | |
| | | | 7.5pF | ±0.05pF | **GRM1882C1H7R5WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H7R5BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H7R5CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H7R5DA01#** | |
| | | | 7.6pF | ±0.05pF | **GRM1882C1H7R6WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H7R6BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H7R6CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H7R6DA01#** | |
| | | | 7.7pF | ±0.05pF | **GRM1882C1H7R7WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H7R7BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H7R7CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H7R7DA01#** | |
| | | | 7.8pF | ±0.05pF | **GRM1882C1H7R8WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H7R8BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H7R8CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H7R8DA01#** | |
| | | | 7.9pF | ±0.05pF | **GRM1882C1H7R9WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H7R9BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H7R9CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H7R9DA01#** | |
| | | | 8.0pF | ±0.05pF | **GRM1882C1H8R0WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H8R0BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H8R0CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H8R0DA01#** | |
| | | | 8.1pF | ±0.05pF | **GRM1882C1H8R1WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H8R1BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H8R1CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H8R1DA01#** | |
| | | | 8.2pF | ±0.05pF | **GRM1882C1H8R2WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H8R2BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H8R2CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H8R2DA01#** | |
| | | | 8.3pF | ±0.05pF | **GRM1882C1H8R3WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H8R3BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H8R3CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H8R3DA01#** | |
| | | | 8.4pF | ±0.05pF | **GRM1882C1H8R4WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H8R4BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H8R4CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H8R4DA01#** | |
| | | | 8.5pF | ±0.05pF | **GRM1882C1H8R5WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H8R5BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H8R5CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H8R5DA01#** | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | CH | 8.6pF | ±0.05pF | **GRM1882C1H8R6WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H8R6BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H8R6CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H8R6DA01#** | |
| | | | 8.7pF | ±0.05pF | **GRM1882C1H8R7WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H8R7BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H8R7CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H8R7DA01#** | |
| | | | 8.8pF | ±0.05pF | **GRM1882C1H8R8WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H8R8BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H8R8CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H8R8DA01#** | |
| | | | 8.9pF | ±0.05pF | **GRM1882C1H8R9WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H8R9BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H8R9CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H8R9DA01#** | |
| | | | 9.0pF | ±0.05pF | **GRM1882C1H9R0WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H9R0BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H9R0CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H9R0DA01#** | |
| | | | 9.1pF | ±0.05pF | **GRM1882C1H9R1WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H9R1BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H9R1CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H9R1DA01#** | |
| | | | 9.2pF | ±0.05pF | **GRM1882C1H9R2WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H9R2BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H9R2CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H9R2DA01#** | |
| | | | 9.3pF | ±0.05pF | **GRM1882C1H9R3WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H9R3BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H9R3CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H9R3DA01#** | |
| | | | 9.4pF | ±0.05pF | **GRM1882C1H9R4WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H9R4BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H9R4CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H9R4DA01#** | |
| | | | 9.5pF | ±0.05pF | **GRM1882C1H9R5WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H9R5BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H9R5CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H9R5DA01#** | |
| | | | 9.6pF | ±0.05pF | **GRM1882C1H9R6WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H9R6BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H9R6CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H9R6DA01#** | |
| | | | 9.7pF | ±0.05pF | **GRM1882C1H9R7WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H9R7BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H9R7CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H9R7DA01#** | |
| | | | 9.8pF | ±0.05pF | **GRM1882C1H9R8WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H9R8BA01#** | |
| | | | | ±0.25pF | **GRM1882C1H9R8CA01#** | |
| | | | | ±0.5pF | **GRM1882C1H9R8DA01#** | |
| | | | 9.9pF | ±0.05pF | **GRM1882C1H9R9WA01#** | |
| | | | | ±0.1pF | **GRM1882C1H9R9BA01#** | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

## (→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | CH | 9.9pF | ±0.25pF | GRM1882C1H9R9CA01# | |
| | | | | ±0.5pF | GRM1882C1H9R9DA01# | |
| | | | 10pF | ±5% | GRM1882C1H100JA01# | |
| | | | 12pF | ±5% | GRM1882C1H120JA01# | |
| | | | 15pF | ±5% | GRM1882C1H150JA01# | |
| | | | 18pF | ±5% | GRM1882C1H180JA01# | |
| | | | 22pF | ±5% | GRM1882C1H220JA01# | |
| | | | 27pF | ±5% | GRM1882C1H270JA01# | |
| | | | 33pF | ±5% | GRM1882C1H330JA01# | |
| | | | 39pF | ±5% | GRM1882C1H390JA01# | |
| | | | 47pF | ±5% | GRM1882C1H470JA01# | |
| | | | 56pF | ±5% | GRM1882C1H560JA01# | |
| | | | 68pF | ±5% | GRM1882C1H680JA01# | |
| | | | 82pF | ±5% | GRM1882C1H820JA01# | |
| | | | 100pF | ±5% | GRM1882C1H101JA01# | |
| | | | 120pF | ±5% | GRM1882C1H121JA01# | |
| | | | 150pF | ±5% | GRM1882C1H151JA01# | |
| | | | 180pF | ±5% | GRM1882C1H181JA01# | |
| | | | 220pF | ±5% | GRM1882C1H221JA01# | |
| | | | 270pF | ±5% | GRM1882C1H271JA01# | |
| | | | 330pF | ±5% | GRM1882C1H331JA01# | |
| | | | 390pF | ±5% | GRM1882C1H391JA01# | |
| | | | 470pF | ±5% | GRM1882C1H471JA01# | |
| | | | 560pF | ±5% | GRM1882C1H561JA01# | |
| | | | 680pF | ±5% | GRM1882C1H681JA01# | |
| | | | 820pF | ±5% | GRM1882C1H821JA01# | |
| | | | 1000pF | ±5% | GRM1882C1H102JA01# | |
| | | | 1200pF | ±5% | GRM1882C1H122JA01# | |
| | | | 1500pF | ±5% | GRM1882C1H152JA01# | |
| | | | 1800pF | ±5% | GRM1882C1H182JA01# | |
| | | | 2200pF | ±5% | GRM1882C1H222JA01# | |
| | | | 2700pF | ±5% | GRM1882C1H272JA01# | |
| | | | 3300pF | ±5% | GRM1882C1H332JA01# | |
| | | | 3900pF | ±5% | GRM1882C1H392JA01# | |
| | | | 4700pF | ±5% | GRM1882C1H472JA01# | |
| | | | 5600pF | ±5% | GRM1882C1H562JA01# | |
| | | | 6800pF | ±5% | GRM1882C1H682JA01# | |
| | | | 8200pF | ±5% | GRM1882C1H822JA01# | |
| | | | 10000pF | ±5% | GRM1882C1H103JA01# | |
| | | SL | 1200pF | ±5% | GRM1881X1H122JA01# | |
| | | | 1500pF | ±5% | GRM1881X1H152JA01# | |
| | | | 1800pF | ±5% | GRM1881X1H182JA01# | |
| | | | 2200pF | ±5% | GRM1881X1H222JA01# | |
| | | | 2700pF | ±5% | GRM1881X1H272JA01# | |
| | | | 3300pF | ±5% | GRM1881X1H332JA01# | |
| | | | 3900pF | ±5% | GRM1881X1H392JA01# | |
| | | | 4700pF | ±5% | GRM1881X1H472JA01# | |
| | | | 5600pF | ±5% | GRM1881X1H562JA01# | |
| | | | 6800pF | ±5% | GRM1881X1H682JA01# | |
| | | | 8200pF | ±5% | GRM1881X1H822JA01# | |
| | | | 10000pF | ±5% | GRM1881X1H103JA01# | |
| | | U2J | 1200pF | ±5% | GRM1887U1H122JA01# | |
| | | | 1500pF | ±5% | GRM1887U1H152JA01# | |
| | | | 1800pF | ±5% | GRM1887U1H182JA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | U2J | 2200pF | ±5% | GRM1887U1H222JA01# | |
| | | | 2700pF | ±5% | GRM1887U1H272JA01# | |
| | | | 3300pF | ±5% | GRM1887U1H332JA01# | |
| | | | 3900pF | ±5% | GRM1887U1H392JA01# | |
| | | | 4700pF | ±5% | GRM1887U1H472JA01# | |
| | | | 5600pF | ±5% | GRM1887U1H562JA01# | |
| | | | 6800pF | ±5% | GRM1887U1H682JA01# | |
| | | | 8200pF | ±5% | GRM1887U1H822JA01# | |
| | | | 10000pF | ±5% | GRM1887U1H103JA01# | |
| | | UJ | 1000pF | ±5% | GRM1883U1H102JA01# | |
| | | | 1200pF | ±5% | GRM1883U1H122JA01# | |
| | | | 1500pF | ±5% | GRM1883U1H152JA01# | |
| | | | 1800pF | ±5% | GRM1883U1H182JA01# | |
| | | | 2200pF | ±5% | GRM1883U1H222JA01# | |
| | | | 2700pF | ±5% | GRM1883U1H272JA01# | |
| | | | 3300pF | ±5% | GRM1883U1H332JA01# | |
| | | | 3900pF | ±5% | GRM1883U1H392JA01# | |
| | | | 4700pF | ±5% | GRM1883U1H472JA01# | |
| | | | 5600pF | ±5% | GRM1883U1H562JA01# | |
| | | | 6800pF | ±5% | GRM1883U1H682JA01# | |
| | | | 8200pF | ±5% | GRM1883U1H822JA01# | |
| | | | 10000pF | ±5% | GRM1883U1H103JA01# | |
| | 10Vdc | SL | 12000pF | ±5% | GRM1881X1A123JA01# | |
| | | | 15000pF | ±5% | GRM1881X1A153JA01# | |
| | | | 18000pF | ±5% | GRM1881X1A183JA01# | |
| | | | 22000pF | ±5% | GRM1881X1A223JA01# | |
| | | U2J | 12000pF | ±5% | GRM1887U1A123JA01# | |
| | | | 15000pF | ±5% | GRM1887U1A153JA01# | |
| | | | 18000pF | ±5% | GRM1887U1A183JA01# | |
| | | | 22000pF | ±5% | GRM1887U1A223JA01# | |
| | | UJ | 12000pF | ±5% | GRM1883U1A123JA01# | |
| | | | 15000pF | ±5% | GRM1883U1A153JA01# | |
| | | | 18000pF | ±5% | GRM1883U1A183JA01# | |
| | | | 22000pF | ±5% | GRM1883U1A223JA01# | |

## 2.0×1.25mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.7mm | 100Vdc | C0G | 100pF | ±5% | GRM2165C2A101JA01# | |
| | | | 120pF | ±5% | GRM2165C2A121JA01# | |
| | | | 150pF | ±5% | GRM2165C2A151JA01# | |
| | | | 180pF | ±5% | GRM2165C2A181JA01# | |
| | | | 220pF | ±5% | GRM2165C2A221JA01# | |
| | | | 270pF | ±5% | GRM2165C2A271JA01# | |
| | | | 330pF | ±5% | GRM2165C2A331JA01# | |
| | | | 390pF | ±5% | GRM2165C2A391JA01# | |
| | | | 470pF | ±5% | GRM2165C2A471JA01# | |
| | | | 560pF | ±5% | GRM2165C2A561JA01# | |
| | | | 680pF | ±5% | GRM2165C2A681JA01# | |
| | | | 820pF | ±5% | GRM2165C2A821JA01# | |
| | | | 1000pF | ±5% | GRM2165C2A102JA01# | |
| | | | 1200pF | ±5% | GRM2165C2A122JA01# | |
| | | | 1500pF | ±5% | GRM2165C2A152JA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 2.0×1.25mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.7mm | 100Vdc | C0G | 1800pF | ±5% | GRM2165C2A182JA01# | |
| | | | 2200pF | ±5% | GRM2165C2A222JA01# | |
| | | | 2700pF | ±5% | GRM2165C2A272JA01# | |
| | | | 3300pF | ±5% | GRM2165C2A332JA01# | |
| | | CH | 100pF | ±5% | GRM2162C2A101JA01# | |
| | | | 120pF | ±5% | GRM2162C2A121JA01# | |
| | | | 150pF | ±5% | GRM2162C2A151JA01# | |
| | | | 180pF | ±5% | GRM2162C2A181JA01# | |
| | | | 220pF | ±5% | GRM2162C2A221JA01# | |
| | | | 270pF | ±5% | GRM2162C2A271JA01# | |
| | | | 330pF | ±5% | GRM2162C2A331JA01# | |
| | | | 390pF | ±5% | GRM2162C2A391JA01# | |
| | | | 470pF | ±5% | GRM2162C2A471JA01# | |
| | | | 560pF | ±5% | GRM2162C2A561JA01# | |
| | | | 680pF | ±5% | GRM2162C2A681JA01# | |
| | | | 820pF | ±5% | GRM2162C2A821JA01# | |
| | | | 1000pF | ±5% | GRM2162C2A102JA01# | |
| | | | 1200pF | ±5% | GRM2162C2A122JA01# | |
| | | | 1500pF | ±5% | GRM2162C2A152JA01# | |
| | | | 1800pF | ±5% | GRM2162C2A182JA01# | |
| | | | 2200pF | ±5% | GRM2162C2A222JA01# | |
| | | | 2700pF | ±5% | GRM2162C2A272JA01# | |
| | | | 3300pF | ±5% | GRM2162C2A332JA01# | |
| | 50Vdc | C0G | 1200pF | ±5% | GRM2165C1H122JA01# | |
| | | | 1500pF | ±5% | GRM2165C1H152JA01# | |
| | | | 1800pF | ±5% | GRM2165C1H182JA01# | |
| | | | 2200pF | ±5% | GRM2165C1H222JA01# | |
| | | | 2700pF | ±5% | GRM2165C1H272JA01# | |
| | | | 3300pF | ±5% | GRM2165C1H332JA01# | |
| | | | 3900pF | ±5% | GRM2165C1H392JA01# | |
| | | | 4700pF | ±5% | GRM2165C1H472JA01# | |
| | | CH | 1200pF | ±5% | GRM2162C1H122JA01# | |
| | | | 1500pF | ±5% | GRM2162C1H152JA01# | |
| | | | 1800pF | ±5% | GRM2162C1H182JA01# | |
| | | | 2200pF | ±5% | GRM2162C1H222JA01# | |
| | | | 2700pF | ±5% | GRM2162C1H272JA01# | |
| | | | 3300pF | ±5% | GRM2162C1H332JA01# | |
| | | | 3900pF | ±5% | GRM2162C1H392JA01# | |
| | | | 4700pF | ±5% | GRM2162C1H472JA01# | |
| | | SL | 12000pF | ±5% | GRM2161X1H123JA01# | |
| | | | 15000pF | ±5% | GRM2161X1H153JA01# | |
| | | | 18000pF | ±5% | GRM2161X1H183JA01# | |
| | | U2J | 12000pF | ±5% | GRM2167U1H123JA01# | |
| | | | 15000pF | ±5% | GRM2167U1H153JA01# | |
| | | | 18000pF | ±5% | GRM2167U1H183JA01# | |
| | | UJ | 10000pF | ±5% | GRM2163U1H103JA01# | |
| | | | 12000pF | ±5% | GRM2163U1H123JA01# | |
| | | | 15000pF | ±5% | GRM2163U1H153JA01# | |
| | | | 18000pF | ±5% | GRM2163U1H183JA01# | |
| 0.95mm | 50Vdc | C0G | 5600pF | ±5% | GRM2195C1H562JA01# | |
| | | | 6800pF | ±5% | GRM2195C1H682JA01# | |
| | | | 8200pF | ±5% | GRM2195C1H822JA01# | |
| | | | 10000pF | ±5% | GRM2195C1H103JA01# | |
| | | | 12000pF | ±5% | GRM2195C1H123JA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.95mm | 50Vdc | C0G | 15000pF | ±5% | GRM2195C1H153JA01# | |
| | | CH | 5600pF | ±5% | GRM2192C1H562JA01# | |
| | | | 6800pF | ±5% | GRM2192C1H682JA01# | |
| | | | 8200pF | ±5% | GRM2192C1H822JA01# | |
| | | | 10000pF | ±5% | GRM2192C1H103JA01# | |
| | | | 12000pF | ±5% | GRM2192C1H123JA01# | |
| | | | 15000pF | ±5% | GRM2192C1H153JA01# | |
| | | SL | 22000pF | ±5% | GRM2191X1H223JA01# | |
| | | | 27000pF | ±5% | GRM2191X1H273JA01# | |
| | | U2J | 22000pF | ±5% | GRM2197U1H223JA01# | |
| | | | 27000pF | ±5% | GRM2197U1H273JA01# | |
| | | UJ | 22000pF | ±5% | GRM2193U1H223JA01# | |
| | | | 27000pF | ±5% | GRM2193U1H273JA01# | |
| | 10Vdc | SL | 56000pF | ±5% | GRM2191X1A563JA01# | |
| | | U2J | 56000pF | ±5% | GRM2197U1A563JA01# | |
| | | UJ | 56000pF | ±5% | GRM2193U1A563JA01# | |
| 1.0mm | 250Vdc | C0G | 10pF | ±5% | GRM21A5C2E100JW01# | |
| | | | 12pF | ±5% | GRM21A5C2E120JW01# | |
| | | | 15pF | ±5% | GRM21A5C2E150JW01# | |
| | | | 18pF | ±5% | GRM21A5C2E180JW01# | |
| | | | 22pF | ±5% | GRM21A5C2E220JW01# | |
| | | | 27pF | ±5% | GRM21A5C2E270JW01# | |
| | | | 33pF | ±5% | GRM21A5C2E330JW01# | |
| | | | 39pF | ±5% | GRM21A5C2E390JW01# | |
| | | | 47pF | ±5% | GRM21A5C2E470JW01# | |
| | | | 56pF | ±5% | GRM21A5C2E560JW01# | |
| | | | 68pF | ±5% | GRM21A5C2E680JW01# | |
| | | | 82pF | ±5% | GRM21A5C2E820JW01# | |
| | | | 100pF | ±5% | GRM21A5C2E101JW01# | |
| | | | 120pF | ±5% | GRM21A5C2E121JW01# | |
| | | | 150pF | ±5% | GRM21A5C2E151JW01# | |
| | | | 180pF | ±5% | GRM21A5C2E181JW01# | |
| | | | 220pF | ±5% | GRM21A5C2E221JW01# | |
| | | | 270pF | ±5% | GRM21A5C2E271JW01# | |
| | | | 330pF | ±5% | GRM21A5C2E331JW01# | |
| | | | 390pF | ±5% | GRM21A5C2E391JWA1# | |
| | | | 470pF | ±5% | GRM21A5C2E471JWA1# | |
| | | | 560pF | ±5% | GRM21A5C2E561JWA1# | |
| | | | 680pF | ±5% | GRM21A5C2E681JWA1# | |
| | | | 820pF | ±5% | GRM21A5C2E821JWA1# | |
| | | | 1000pF | ±5% | GRM21A5C2E102JWA1# | |
| | | | 1200pF | ±5% | GRM21A5C2E122JWA1# | |
| | | | 1500pF | ±5% | GRM21A5C2E152JWA1# | |
| | | | 1800pF | ±5% | GRM21A5C2E182JWA1# | |
| | | | 2200pF | ±5% | GRM21A5C2E222JWA1# | |
| | | | 2700pF | ±5% | GRM21A5C2E272JWA1# | |
| | | U2J | 100pF | ±5% | GRM21A7U2E101JW31# | |
| | | | 120pF | ±5% | GRM21A7U2E121JW31# | |
| | | | 150pF | ±5% | GRM21A7U2E151JW31# | |
| | | | 180pF | ±5% | GRM21A7U2E181JW31# | |
| | | | 220pF | ±5% | GRM21A7U2E221JW31# | |
| | | | 270pF | ±5% | GRM21A7U2E271JW31# | |
| | | | 330pF | ±5% | GRM21A7U2E331JW31# | |
| | | | 390pF | ±5% | GRM21A7U2E391JW31# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

## (→ 2.0×1.25mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.0mm | 250Vdc | U2J | 470pF | ±5% | GRM21A7U2E471JW31# | |
| | | | 560pF | ±5% | GRM21A7U2E561JW31# | |
| | | | 680pF | ±5% | GRM21A7U2E681JW31# | |
| | | | 820pF | ±5% | GRM21A7U2E821JW31# | |
| | | | 1000pF | ±5% | GRM21A7U2E102JW31# | |
| | | | 1200pF | ±5% | GRM21A7U2E122JW31# | |
| | | | 1500pF | ±5% | GRM21A7U2E152JW31# | |
| | | | 1800pF | ±5% | GRM21A7U2E182JW31# | |
| | | | 2200pF | ±5% | GRM21A7U2E222JW31# | |
| | 200Vdc | C0G | 10pF | ±5% | GRM21A5C2D100JW01# | |
| | | | 12pF | ±5% | GRM21A5C2D120JW01# | |
| | | | 15pF | ±5% | GRM21A5C2D150JW01# | |
| | | | 18pF | ±5% | GRM21A5C2D180JW01# | |
| | | | 22pF | ±5% | GRM21A5C2D220JW01# | |
| | | | 27pF | ±5% | GRM21A5C2D270JW01# | |
| | | | 33pF | ±5% | GRM21A5C2D330JW01# | |
| | | | 39pF | ±5% | GRM21A5C2D390JW01# | |
| | | | 47pF | ±5% | GRM21A5C2D470JW01# | |
| | | | 56pF | ±5% | GRM21A5C2D560JW01# | |
| | | | 68pF | ±5% | GRM21A5C2D680JW01# | |
| | | | 82pF | ±5% | GRM21A5C2D820JW01# | |
| | | | 100pF | ±5% | GRM21A5C2D101JW01# | |
| | | | 120pF | ±5% | GRM21A5C2D121JW01# | |
| | | | 150pF | ±5% | GRM21A5C2D151JW01# | |
| | | | 180pF | ±5% | GRM21A5C2D181JW01# | |
| | | | 220pF | ±5% | GRM21A5C2D221JW01# | |
| | | | 270pF | ±5% | GRM21A5C2D271JW01# | |
| | | | 330pF | ±5% | GRM21A5C2D331JW01# | |
| | | U2J | 100pF | ±5% | GRM21A7U2D101JW31# | |
| | | | 120pF | ±5% | GRM21A7U2D121JW31# | |
| | | | 150pF | ±5% | GRM21A7U2D151JW31# | |
| | | | 180pF | ±5% | GRM21A7U2D181JW31# | |
| | | | 220pF | ±5% | GRM21A7U2D221JW31# | |
| | | | 270pF | ±5% | GRM21A7U2D271JW31# | |
| | | | 330pF | ±5% | GRM21A7U2D331JW31# | |
| | | | 390pF | ±5% | GRM21A7U2D391JW31# | |
| | | | 470pF | ±5% | GRM21A7U2D471JW31# | |
| | | | 560pF | ±5% | GRM21A7U2D561JW31# | |
| | | | 680pF | ±5% | GRM21A7U2D681JW31# | |
| | | | 820pF | ±5% | GRM21A7U2D821JW31# | |
| | | | 1000pF | ±5% | GRM21A7U2D102JW31# | |
| | | | 1200pF | ±5% | GRM21A7U2D122JW31# | |
| | | | 1500pF | ±5% | GRM21A7U2D152JW31# | |
| | | | 1800pF | ±5% | GRM21A7U2D182JW31# | |
| | | | 2200pF | ±5% | GRM21A7U2D222JW31# | |
| | 50Vdc | SL | 33000pF | ±5% | GRM21A1X1H333JA39# | |
| | | U2J | 33000pF | ±5% | GRM21A7U1H333JA39# | |
| | | UJ | 33000pF | ±5% | GRM21A3U1H333JA39# | |
| 1.35mm | 50Vdc | C0G | 18000pF | ±5% | GRM21B5C1H183JA01# | |
| | | | 22000pF | ±5% | GRM21B5C1H223JA01# | |
| | | CH | 18000pF | ±5% | GRM21B2C1H183JA01# | |
| | | | 22000pF | ±5% | GRM21B2C1H223JA01# | |
| | | SL | 39000pF | ±5% | GRM21B1X1H393JA01# | |
| | | | 47000pF | ±5% | GRM21B1X1H473JA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.35mm | 50Vdc | U2J | 39000pF | ±5% | GRM21B7U1H393JA01# | |
| | | | 47000pF | ±5% | GRM21B7U1H473JA01# | |
| | | UJ | 39000pF | ±5% | GRM21B3U1H393JA01# | |
| | | | 47000pF | ±5% | GRM21B3U1H473JA01# | |
| | 10Vdc | SL | 68000pF | ±5% | GRM21B1X1A683JA01# | |
| | | | 82000pF | ±5% | GRM21B1X1A823JA01# | |
| | | | 0.10μF | ±5% | GRM21B1X1A104JA01# | |
| | | U2J | 68000pF | ±5% | GRM21B7U1A683JA01# | |
| | | | 82000pF | ±5% | GRM21B7U1A823JA01# | |
| | | | 0.10μF | ±5% | GRM21B7U1A104JA01# | |
| | | UJ | 68000pF | ±5% | GRM21B3U1A683JA01# | |
| | | | 82000pF | ±5% | GRM21B3U1A823JA01# | |
| | | | 0.10μF | ±5% | GRM21B3U1A104JA01# | |
| 1.45mm | 250Vdc | C0G | 3300pF | ±5% | GRM21B5C2E332JWA1# | |
| | | | 3900pF | ±5% | GRM21B5C2E392JWA1# | |
| | | | 4700pF | ±5% | GRM21B5C2E472JWA1# | |
| | | U2J | 2700pF | ±5% | GRM21B7U2E272JW32# | |
| | | | 3300pF | ±5% | GRM21B7U2E332JW32# | |
| | | | 3900pF | ±5% | GRM21B7U2E392JW32# | |
| | | | 4700pF | ±5% | GRM21B7U2E472JW32# | |
| | | | 5600pF | ±5% | GRM21B7U2E562JW32# | |
| | 200Vdc | U2J | 2700pF | ±5% | GRM21B7U2D272JW32# | |
| | | | 3300pF | ±5% | GRM21B7U2D332JW32# | |
| | | | 3900pF | ±5% | GRM21B7U2D392JW32# | |
| | | | 4700pF | ±5% | GRM21B7U2D472JW32# | |
| | | | 5600pF | ±5% | GRM21B7U2D562JW32# | |

## 3.2×1.6mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.95mm | 100Vdc | C0G | 1800pF | ±5% | GRM3195C2A182JA01# | |
| | | | 2200pF | ±5% | GRM3195C2A222JA01# | |
| | | | 2700pF | ±5% | GRM3195C2A272JA01# | |
| | | | 3300pF | ±5% | GRM3195C2A332JA01# | |
| | | | 3900pF | ±5% | GRM3195C2A392JA01# | |
| | | | 4700pF | ±5% | GRM3195C2A472JA01# | |
| | | | 5600pF | ±5% | GRM3195C2A562JA01# | |
| | | | 6800pF | ±5% | GRM3195C2A682JA01# | |
| | | | 8200pF | ±5% | GRM3195C2A822JA01# | |
| | | | 10000pF | ±5% | GRM3195C2A103JA01# | |
| | | | 12000pF | ±5% | GRM3195C2A123JA01# | |
| | | | 15000pF | ±5% | GRM3195C2A153JA01# | |
| | | | 18000pF | ±5% | GRM3195C2A183JA01# | |
| | | | 22000pF | ±5% | GRM3195C2A223JA01# | |
| | | | 27000pF | ±5% | GRM3195C2A273JA01# | D1 |
| | | | 33000pF | ±5% | GRM3195C2A333JA01# | D1 |
| | | | 39000pF | ±5% | GRM3195C2A393JA01# | D1 |
| | | CH | 1800pF | ±5% | GRM3192C2A182JA01# | |
| | | | 2200pF | ±5% | GRM3192C2A222JA01# | |
| | | | 2700pF | ±5% | GRM3192C2A272JA01# | |
| | | | 3300pF | ±5% | GRM3192C2A332JA01# | |
| | | | 3900pF | ±5% | GRM3192C2A392JA01# | |
| | | | 4700pF | ±5% | GRM3192C2A472JA01# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 3.2×1.6mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.95mm | 100Vdc | CH | 5600pF | ±5% | GRM3192C2A562JA01# | |
| | | | 6800pF | ±5% | GRM3192C2A682JA01# | |
| | | | 8200pF | ±5% | GRM3192C2A822JA01# | |
| | | | 10000pF | ±5% | GRM3192C2A103JA01# | |
| | | | 12000pF | ±5% | GRM3192C2A123JA01# | |
| | | | 15000pF | ±5% | GRM3192C2A153JA01# | |
| | | | 18000pF | ±5% | GRM3192C2A183JA01# | |
| | | | 22000pF | ±5% | GRM3192C2A223JA01# | |
| | | | 27000pF | ±5% | GRM3192C2A273JA01# | D1 |
| | | | 33000pF | ±5% | GRM3192C2A333JA01# | D1 |
| | | | 39000pF | ±5% | GRM3192C2A393JA01# | D1 |
| | 50Vdc | C0G | 12000pF | ±5% | GRM3195C1H123JA01# | |
| | | | 15000pF | ±5% | GRM3195C1H153JA01# | |
| | | | 18000pF | ±5% | GRM3195C1H183JA01# | |
| | | | 22000pF | ±5% | GRM3195C1H223JA01# | |
| | | | 27000pF | ±5% | GRM3195C1H273JA01# | |
| | | | 33000pF | ±5% | GRM3195C1H333JA01# | |
| | | | 39000pF | ±5% | GRM3195C1H393JA01# | |
| | | CH | 12000pF | ±5% | GRM3192C1H123JA01# | |
| | | | 15000pF | ±5% | GRM3192C1H153JA01# | |
| | | | 18000pF | ±5% | GRM3192C1H183JA01# | |
| | | | 22000pF | ±5% | GRM3192C1H223JA01# | |
| | | | 27000pF | ±5% | GRM3192C1H273JA01# | |
| | | | 33000pF | ±5% | GRM3192C1H333JA01# | |
| | | | 39000pF | ±5% | GRM3192C1H393JA01# | |
| | | SL | 56000pF | ±5% | GRM3191X1H563JA01# | |
| | | U2J | 56000pF | ±5% | GRM3197U1H563JA01# | |
| | | UJ | 56000pF | ±5% | GRM3193U1H563JA01# | |
| 1.0mm | 2000Vdc | U2J | 10pF | ±5% | GRM31A7U3D100JW31# | |
| | | | 12pF | ±5% | GRM31A7U3D120JW31# | |
| | | | 15pF | ±5% | GRM31A7U3D150JW31# | |
| | | | 18pF | ±5% | GRM31A7U3D180JW31# | |
| | | | 22pF | ±5% | GRM31A7U3D220JW31# | |
| | | | 27pF | ±5% | GRM31A7U3D270JW31# | |
| | | | 33pF | ±5% | GRM31A7U3D330JW31# | |
| | | | 39pF | ±5% | GRM31A7U3D390JW31# | |
| | | | 47pF | ±5% | GRM31A7U3D470JW31# | |
| | | | 56pF | ±5% | GRM31A7U3D560JW31# | |
| | | | 68pF | ±5% | GRM31A7U3D680JW31# | |
| | 1000Vdc | C0G | 10pF | ±5% | GRM31A5C3A100JW01# | |
| | | | 12pF | ±5% | GRM31A5C3A120JW01# | |
| | | | 15pF | ±5% | GRM31A5C3A150JW01# | |
| | | | 18pF | ±5% | GRM31A5C3A180JW01# | |
| | | | 22pF | ±5% | GRM31A5C3A220JW01# | |
| | | | 27pF | ±5% | GRM31A5C3A270JW01# | |
| | | | 33pF | ±5% | GRM31A5C3A330JW01# | |
| | | | 39pF | ±5% | GRM31A5C3A390JW01# | |
| | | | 47pF | ±5% | GRM31A5C3A470JW01# | |
| | | | 56pF | ±5% | GRM31A5C3A560JW01# | |
| | | | 68pF | ±5% | GRM31A5C3A680JW01# | |
| | | | 82pF | ±5% | GRM31A5C3A820JW01# | |
| | | | 100pF | ±5% | GRM31A5C3A101JW01# | |
| | | | 120pF | ±5% | GRM31A5C3A121JW01# | |
| | | | 150pF | ±5% | GRM31A5C3A151JW01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.0mm | 1000Vdc | C0G | 180pF | ±5% | GRM31A5C3A181JW01# | |
| | | | 220pF | ±5% | GRM31A5C3A221JW01# | |
| | | | 270pF | ±5% | GRM31A5C3A271JWA1# | |
| | | | 330pF | ±5% | GRM31A5C3A331JWA1# | |
| | | | 390pF | ±5% | GRM31A5C3A391JWA1# | |
| | | | 470pF | ±5% | GRM31A5C3A471JWA1# | |
| | | U2J | 10pF | ±5% | GRM31A7U3A100JW31# | |
| | | | 12pF | ±5% | GRM31A7U3A120JW31# | |
| | | | 15pF | ±5% | GRM31A7U3A150JW31# | |
| | | | 18pF | ±5% | GRM31A7U3A180JW31# | |
| | | | 22pF | ±5% | GRM31A7U3A220JW31# | |
| | | | 27pF | ±5% | GRM31A7U3A270JW31# | |
| | | | 33pF | ±5% | GRM31A7U3A330JW31# | |
| | | | 39pF | ±5% | GRM31A7U3A390JW31# | |
| | | | 47pF | ±5% | GRM31A7U3A470JW31# | |
| | | | 56pF | ±5% | GRM31A7U3A560JW31# | |
| | | | 68pF | ±5% | GRM31A7U3A680JW31# | |
| | | | 82pF | ±5% | GRM31A7U3A820JW31# | |
| | | | 100pF | ±5% | GRM31A7U3A101JW31# | |
| | | | 120pF | ±5% | GRM31A7U3A121JW31# | |
| | | | 150pF | ±5% | GRM31A7U3A151JW31# | |
| | | | 180pF | ±5% | GRM31A7U3A181JW31# | |
| | | | 220pF | ±5% | GRM31A7U3A221JW31# | |
| | | | 270pF | ±5% | GRM31A7U3A271JW31# | |
| | | | 330pF | ±5% | GRM31A7U3A331JW31# | |
| | 630Vdc | C0G | 10pF | ±5% | GRM31A5C2J100JW01# | |
| | | | 12pF | ±5% | GRM31A5C2J120JW01# | |
| | | | 15pF | ±5% | GRM31A5C2J150JW01# | |
| | | | 18pF | ±5% | GRM31A5C2J180JW01# | |
| | | | 22pF | ±5% | GRM31A5C2J220JW01# | |
| | | | 27pF | ±5% | GRM31A5C2J270JW01# | |
| | | | 33pF | ±5% | GRM31A5C2J330JW01# | |
| | | | 39pF | ±5% | GRM31A5C2J390JW01# | |
| | | | 47pF | ±5% | GRM31A5C2J470JW01# | |
| | | | 56pF | ±5% | GRM31A5C2J560JW01# | |
| | | | 68pF | ±5% | GRM31A5C2J680JW01# | |
| | | | 82pF | ±5% | GRM31A5C2J820JW01# | |
| | | | 100pF | ±5% | GRM31A5C2J101JW01# | |
| | | | 120pF | ±5% | GRM31A5C2J121JW01# | |
| | | | 150pF | ±5% | GRM31A5C2J151JW01# | |
| | | | 180pF | ±5% | GRM31A5C2J181JW01# | |
| | | | 220pF | ±5% | GRM31A5C2J221JW01# | |
| | | | 270pF | ±5% | GRM31A5C2J271JW01# | |
| | | | 330pF | ±5% | GRM31A5C2J331JW01# | |
| | | | 390pF | ±5% | GRM31A5C2J391JW01# | |
| | | | 470pF | ±5% | GRM31A5C2J471JW01# | |
| | | | 560pF | ±5% | GRM31A5C2J561JW01# | |
| | | | 1200pF | ±5% | GRM31A5C2J122JWA1# | |
| | | | 1500pF | ±5% | GRM31A5C2J152JWA1# | |
| | | | 1800pF | ±5% | GRM31A5C2J182JWA1# | |
| | | U2J | 10pF | ±5% | GRM31A7U2J100JW31# | |
| | | | 12pF | ±5% | GRM31A7U2J120JW31# | |
| | | | 15pF | ±5% | GRM31A7U2J150JW31# | |
| | | | 18pF | ±5% | GRM31A7U2J180JW31# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

(→ 3.2×1.6mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.0mm | 630Vdc | U2J | 22pF | ±5% | GRM31A7U2J220JW31# | |
| | | | 27pF | ±5% | GRM31A7U2J270JW31# | |
| | | | 33pF | ±5% | GRM31A7U2J330JW31# | |
| | | | 39pF | ±5% | GRM31A7U2J390JW31# | |
| | | | 47pF | ±5% | GRM31A7U2J470JW31# | |
| | | | 56pF | ±5% | GRM31A7U2J560JW31# | |
| | | | 68pF | ±5% | GRM31A7U2J680JW31# | |
| | | | 82pF | ±5% | GRM31A7U2J820JW31# | |
| | | | 100pF | ±5% | GRM31A7U2J101JW31# | |
| | | | 120pF | ±5% | GRM31A7U2J121JW31# | |
| | | | 150pF | ±5% | GRM31A7U2J151JW31# | |
| | | | 180pF | ±5% | GRM31A7U2J181JW31# | |
| | | | 220pF | ±5% | GRM31A7U2J221JW31# | |
| | | | 270pF | ±5% | GRM31A7U2J271JW31# | |
| | | | 330pF | ±5% | GRM31A7U2J331JW31# | |
| | | | 390pF | ±5% | GRM31A7U2J391JW31# | |
| | | | 470pF | ±5% | GRM31A7U2J471JW31# | |
| | | | 560pF | ±5% | GRM31A7U2J561JW31# | |
| | | | 680pF | ±5% | GRM31A7U2J681JW31# | |
| | | | 820pF | ±5% | GRM31A7U2J821JW31# | |
| | | | 1000pF | ±5% | GRM31A7U2J102JW31# | |
| | | | 1200pF | ±5% | GRM31A7U2J122JW31# | |
| | | | 1500pF | ±5% | GRM31A7U2J152JW31# | |
| | | | 1800pF | ±5% | GRM31A7U2J182JW31# | |
| | | | 2200pF | ±5% | GRM31A7U2J222JW31# | |
| | 500Vdc | C0G | 10pF | ±5% | GRM31A5C2H100JW01# | |
| | | | 12pF | ±5% | GRM31A5C2H120JW01# | |
| | | | 15pF | ±5% | GRM31A5C2H150JW01# | |
| | | | 18pF | ±5% | GRM31A5C2H180JW01# | |
| | | | 22pF | ±5% | GRM31A5C2H220JW01# | |
| | | | 27pF | ±5% | GRM31A5C2H270JW01# | |
| | | | 33pF | ±5% | GRM31A5C2H330JW01# | |
| | | | 39pF | ±5% | GRM31A5C2H390JW01# | |
| | | | 47pF | ±5% | GRM31A5C2H470JW01# | |
| | | | 56pF | ±5% | GRM31A5C2H560JW01# | |
| | | | 68pF | ±5% | GRM31A5C2H680JW01# | |
| | | | 82pF | ±5% | GRM31A5C2H820JW01# | |
| | | | 100pF | ±5% | GRM31A5C2H101JW01# | |
| | | | 120pF | ±5% | GRM31A5C2H121JW01# | |
| | | | 150pF | ±5% | GRM31A5C2H151JW01# | |
| | | | 180pF | ±5% | GRM31A5C2H181JW01# | |
| | | | 220pF | ±5% | GRM31A5C2H221JW01# | |
| | | | 270pF | ±5% | GRM31A5C2H271JW01# | |
| | | | 330pF | ±5% | GRM31A5C2H331JW01# | |
| | | | 390pF | ±5% | GRM31A5C2H391JW01# | |
| | | | 470pF | ±5% | GRM31A5C2H471JW01# | |
| | | | 560pF | ±5% | GRM31A5C2H561JW01# | |
| | | U2J | 10pF | ±5% | GRM31A7U2H100JW31# | |
| | | | 12pF | ±5% | GRM31A7U2H120JW31# | |
| | | | 15pF | ±5% | GRM31A7U2H150JW31# | |
| | | | 18pF | ±5% | GRM31A7U2H180JW31# | |
| | | | 22pF | ±5% | GRM31A7U2H220JW31# | |
| | | | 27pF | ±5% | GRM31A7U2H270JW31# | |
| | | | 33pF | ±5% | GRM31A7U2H330JW31# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.0mm | 500Vdc | U2J | 39pF | ±5% | GRM31A7U2H390JW31# | |
| | | | 47pF | ±5% | GRM31A7U2H470JW31# | |
| | | | 56pF | ±5% | GRM31A7U2H560JW31# | |
| | | | 68pF | ±5% | GRM31A7U2H680JW31# | |
| | | | 82pF | ±5% | GRM31A7U2H820JW31# | |
| | | | 100pF | ±5% | GRM31A7U2H101JW31# | |
| | | | 120pF | ±5% | GRM31A7U2H121JW31# | |
| | | | 150pF | ±5% | GRM31A7U2H151JW31# | |
| | | | 180pF | ±5% | GRM31A7U2H181JW31# | |
| | | | 220pF | ±5% | GRM31A7U2H221JW31# | |
| | | | 270pF | ±5% | GRM31A7U2H271JW31# | |
| | | | 330pF | ±5% | GRM31A7U2H331JW31# | |
| | | | 390pF | ±5% | GRM31A7U2H391JW31# | |
| | | | 470pF | ±5% | GRM31A7U2H471JW31# | |
| | | | 560pF | ±5% | GRM31A7U2H561JW31# | |
| | | | 680pF | ±5% | GRM31A7U2H681JW31# | |
| | | | 820pF | ±5% | GRM31A7U2H821JW31# | |
| | | | 1000pF | ±5% | GRM31A7U2H102JW31# | |
| | | | 1200pF | ±5% | GRM31A7U2H122JW31# | |
| | | | 1500pF | ±5% | GRM31A7U2H152JW31# | |
| | | | 1800pF | ±5% | GRM31A7U2H182JW31# | |
| | | | 2200pF | ±5% | GRM31A7U2H222JW31# | |
| | 250Vdc | C0G | 390pF | ±5% | GRM31A5C2E391JWA1# | |
| | | | 470pF | ±5% | GRM31A5C2E471JWA1# | |
| | | | 560pF | ±5% | GRM31A5C2E561JWA1# | |
| | | | 680pF | ±5% | GRM31A5C2E681JWA1# | |
| | | | 820pF | ±5% | GRM31A5C2E821JWA1# | |
| | | | 1000pF | ±5% | GRM31A5C2E102JWA1# | |
| | | | 1200pF | ±5% | GRM31A5C2E122JWA1# | |
| | | | 1500pF | ±5% | GRM31A5C2E152JWA1# | |
| | | | 1800pF | ±5% | GRM31A5C2E182JWA1# | |
| | | | 2200pF | ±5% | GRM31A5C2E222JWA1# | |
| | | | 2700pF | ±5% | GRM31A5C2E272JWA1# | |
| | | | 3300pF | ±5% | GRM31A5C2E332JWA1# | |
| | | | 3900pF | ±5% | GRM31A5C2E392JWA1# | |
| | | | 4700pF | ±5% | GRM31A5C2E472JWA1# | |
| | | | 5600pF | ±5% | GRM31A5C2E562JWA1# | |
| | | | 6800pF | ±5% | GRM31A5C2E682JWA1# | |
| | | U2J | 2700pF | ±5% | GRM31A7U2E272JW31# | |
| | | | 3300pF | ±5% | GRM31A7U2E332JW31# | |
| | | | 3900pF | ±5% | GRM31A7U2E392JW31# | |
| | | | 4700pF | ±5% | GRM31A7U2E472JW31# | |
| | | | 5600pF | ±5% | GRM31A7U2E562JW31# | |
| | 200Vdc | U2J | 2700pF | ±5% | GRM31A7U2D272JW31# | |
| | | | 3300pF | ±5% | GRM31A7U2D332JW31# | |
| | | | 3900pF | ±5% | GRM31A7U2D392JW31# | |
| | | | 4700pF | ±5% | GRM31A7U2D472JW31# | |
| | | | 5600pF | ±5% | GRM31A7U2D562JW31# | |
| 1.25mm | 1000Vdc | C0G | 560pF | ±5% | GRM31B5C3A561JWA1# | |
| | | | 680pF | ±5% | GRM31B5C3A681JWA1# | |
| | | U2J | 390pF | ±5% | GRM31B7U3A391JW31# | |
| | | | 470pF | ±5% | GRM31B7U3A471JW31# | |
| | | | 560pF | ±5% | GRM31B7U3A561JW31# | |
| | | | 680pF | ±5% | GRM31B7U3A681JW31# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

## (→ 3.2×1.6mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.25mm | 630Vdc | C0G | 680pF | ±5% | GRM31B5C2J681JW01# | |
| | | | 820pF | ±5% | GRM31B5C2J821JW01# | |
| | | | 1000pF | ±5% | GRM31B5C2J102JW01# | |
| | | | 2200pF | ±5% | GRM31B5C2J222JWA1# | |
| | | | 2700pF | ±5% | GRM31B5C2J272JWA1# | |
| | | U2J | 2700pF | ±5% | GRM31B7U2J272JW31# | |
| | | | 3300pF | ±5% | GRM31B7U2J332JW31# | |
| | 500Vdc | C0G | 680pF | ±5% | GRM31B5C2H681JW01# | |
| | | | 820pF | ±5% | GRM31B5C2H821JW01# | |
| | | | 1000pF | ±5% | GRM31B5C2H102JW01# | |
| | | U2J | 2700pF | ±5% | GRM31B7U2H272JW31# | |
| | | | 3300pF | ±5% | GRM31B7U2H332JW31# | |
| | 250Vdc | C0G | 8200pF | ±5% | GRM31B5C2E822JWA1# | |
| | | | 10000pF | ±5% | GRM31B5C2E103JWA1# | |
| | | | 12000pF | ±5% | GRM31B5C2E123JWA1# | |
| | | U2J | 6800pF | ±5% | GRM31B7U2E682JW31# | |
| | | | 8200pF | ±5% | GRM31B7U2E822JW31# | |
| | | | 10000pF | ±5% | GRM31B7U2E103JW31# | |
| | | | 12000pF | ±5% | GRM31B7U2E123JW31# | |
| | 200Vdc | U2J | 6800pF | ±5% | GRM31B7U2D682JW31# | |
| | | | 8200pF | ±5% | GRM31B7U2D822JW31# | |
| | | | 10000pF | ±5% | GRM31B7U2D103JW31# | |
| | 100Vdc | C0G | 47000pF | ±5% | GRM31M5C2A473JA01# | D1 |
| | | | 56000pF | ±5% | GRM31M5C2A563JA01# | D1 |
| | | CH | 47000pF | ±5% | GRM31M2C2A473JA01# | D1 |
| | | | 56000pF | ±5% | GRM31M2C2A563JA01# | D1 |
| | 50Vdc | C0G | 47000pF | ±5% | GRM31M5C1H473JA01# | |
| | | | 56000pF | ±5% | GRM31M5C1H563JA01# | |
| | | CH | 47000pF | ±5% | GRM31M2C1H473JA01# | |
| | | | 56000pF | ±5% | GRM31M2C1H563JA01# | |
| | | SL | 68000pF | ±5% | GRM31M1X1H683JA01# | |
| | | | 82000pF | ±5% | GRM31M1X1H823JA01# | |
| | | | 0.10μF | ±5% | GRM31M1X1H104JA01# | |
| | | U2J | 68000pF | ±5% | GRM31M7U1H683JA01# | |
| | | | 82000pF | ±5% | GRM31M7U1H823JA01# | |
| | | | 0.10μF | ±5% | GRM31M7U1H104JA01# | |
| | | UJ | 68000pF | ±5% | GRM31M3U1H683JA01# | |
| | | | 82000pF | ±5% | GRM31M3U1H823JA01# | |
| | | | 0.10μF | ±5% | GRM31M3U1H104JA01# | |
| 1.8mm | 1000Vdc | C0G | 820pF | ±5% | GRM31C5C3A821JWA3# | |
| | | | 1000pF | ±5% | GRM31C5C3A102JWA3# | |
| | | U2J | 820pF | ±5% | GRM31C7U3A821JW32# | |
| | | | 1000pF | ±5% | GRM31C7U3A102JW32# | |
| | 630Vdc | C0G | 3300pF | ±5% | GRM31C5C2J332JWA3# | |
| | | U2J | 3900pF | ±5% | GRM31C7U2J392JW32# | |
| | | | 4700pF | ±5% | GRM31C7U2J472JW32# | |
| | 500Vdc | U2J | 3900pF | ±5% | GRM31C7U2H392JW32# | |
| | | | 4700pF | ±5% | GRM31C7U2H472JW32# | |
| | 250Vdc | C0G | 15000pF | ±5% | GRM31C5C2E153JWA3# | |
| | | U2J | 15000pF | ±5% | GRM31C7U2E153JW32# | |
| | | | 18000pF | ±5% | GRM31C7U2E183JW32# | |
| | | | 22000pF | ±5% | GRM31C7U2E223JW32# | |
| | 100Vdc | C0G | 68000pF | ±5% | GRM31C5C2A683JA01# | D1 |
| | | | 82000pF | ±5% | GRM31C5C2A823JA01# | D1 |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.8mm | 100Vdc | C0G | 0.10μF | ±5% | GRM31C5C2A104JA01# | D1 |
| | | CH | 68000pF | ±5% | GRM31C2C2A683JA01# | D1 |
| | | | 82000pF | ±5% | GRM31C2C2A823JA01# | D1 |
| | | | 0.10μF | ±5% | GRM31C2C2A104JA01# | D1 |
| | 50Vdc | C0G | 68000pF | ±5% | GRM31C5C1H683JA01# | |
| | | | 82000pF | ±5% | GRM31C5C1H823JA01# | |
| | | | 0.10μF | ±5% | GRM31C5C1H104JA01# | |
| | | CH | 68000pF | ±5% | GRM31C2C1H683JA01# | |
| | | | 82000pF | ±5% | GRM31C2C1H823JA01# | |
| | | | 0.10μF | ±5% | GRM31C2C1H104JA01# | |
| | 25Vdc | C0G | 0.12μF | ±5% | GRM31C5C1E124JA01# | |
| | | CH | 0.12μF | ±5% | GRM31C2C1E124JA01# | |
| | 16Vdc | C0G | 0.12μF | ±5% | GRM31C5C1C124JA01# | |
| | | CH | 0.12μF | ±5% | GRM31C2C1C124JA01# | |

## 3.2×2.5mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.0mm | 2000Vdc | U2J | 82pF | ±5% | GRM32A7U3D820JW31# | |
| | | | 100pF | ±5% | GRM32A7U3D101JW31# | |
| | | | 120pF | ±5% | GRM32A7U3D121JW31# | |
| | | | 150pF | ±5% | GRM32A7U3D151JW31# | |
| | 630Vdc | U2J | 1200pF | ±5% | GRM32A7U2J122JW31# | |
| | | | 1500pF | ±5% | GRM32A7U2J152JW31# | |
| | | | 1800pF | ±5% | GRM32A7U2J182JW31# | |
| | | | 2200pF | ±5% | GRM32A7U2J222JW31# | |
| | 500Vdc | U2J | 1200pF | ±5% | GRM32A7U2H122JW31# | |
| | | | 1500pF | ±5% | GRM32A7U2H152JW31# | |
| | | | 1800pF | ±5% | GRM32A7U2H182JW31# | |
| | | | 2200pF | ±5% | GRM32A7U2H222JW31# | |
| 1.25mm | 2000Vdc | U2J | 180pF | ±5% | GRM32B7U3D181JW31# | |
| | | | 220pF | ±5% | GRM32B7U3D221JW31# | |
| | 1000Vdc | U2J | 1200pF | ±5% | GRM32B7U3A122JW31# | |
| | 630Vdc | U2J | 5600pF | ±5% | GRM32B7U2J562JW31# | |
| | 500Vdc | U2J | 5600pF | ±5% | GRM32B7U2H562JW31# | |
| 1.5mm | 1000Vdc | U2J | 1500pF | ±5% | GRM32Q7U3A152JW31# | |
| | 630Vdc | U2J | 6800pF | ±5% | GRM32Q7U2J682JW31# | |
| | 500Vdc | U2J | 6800pF | ±5% | GRM32Q7U2H682JW31# | |
| | 250Vdc | U2J | 27000pF | ±5% | GRM32Q7U2E273JW31# | |
| 2.0mm | 1000Vdc | U2J | 1800pF | ±5% | GRM32D7U3A182JW31# | |
| | | | 2200pF | ±5% | GRM32D7U3A222JW31# | |
| | 630Vdc | U2J | 8200pF | ±5% | GRM32D7U2J822JW31# | |
| | | | 10000pF | ±5% | GRM32D7U2J103JW31# | |
| | 500Vdc | U2J | 8200pF | ±5% | GRM32D7U2H822JW31# | |
| | | | 10000pF | ±5% | GRM32D7U2H103JW31# | |
| | 250Vdc | U2J | 33000pF | ±5% | GRM32D7U2E333JW31# | |
| | | | 39000pF | ±5% | GRM32D7U2E393JW31# | |
| | | | 47000pF | ±5% | GRM32D7U2E473JW31# | |

Part number # indicates the package specification code.

# GRM Series Temperature Compensating Type Part Number List

## 4.5×2.0mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.0mm | 3150Vdc | U2J | 10pF | ±5% | **GRM42A7U3F100JW31#** | |
| | | | 12pF | ±5% | **GRM42A7U3F120JW31#** | |
| | | | 15pF | ±5% | **GRM42A7U3F150JW31#** | |
| | | | 18pF | ±5% | **GRM42A7U3F180JW31#** | |
| | | | 22pF | ±5% | **GRM42A7U3F220JW31#** | |
| | | | 27pF | ±5% | **GRM42A7U3F270JW31#** | |
| | | | 33pF | ±5% | **GRM42A7U3F330JW31#** | |
| | | | 39pF | ±5% | **GRM42A7U3F390JW31#** | |
| | | | 47pF | ±5% | **GRM42A7U3F470JW31#** | |
| | | | 56pF | ±5% | **GRM42A7U3F560JW31#** | |
| | | | 68pF | ±5% | **GRM42A7U3F680JW31#** | |
| | | | 82pF | ±5% | **GRM42A7U3F820JW31#** | |
| | | | 100pF | ±5% | **GRM42A7U3F101JW31#** | |

## 4.5×3.2mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.5mm | 1000Vdc | U2J | 2700pF | ±5% | **GRM43Q7U3A272JW31#** | |
| | | | 3300pF | ±5% | **GRM43Q7U3A332JW31#** | |
| | 630Vdc | U2J | 12000pF | ±5% | **GRM43Q7U2J123JW31#** | |
| | 500Vdc | U2J | 12000pF | ±5% | **GRM43Q7U2H123JW31#** | |
| 2.0mm | 1000Vdc | U2J | 3900pF | ±5% | **GRM43D7U3A392JW31#** | |
| | | | 4700pF | ±5% | **GRM43D7U3A472JW31#** | |
| | 630Vdc | U2J | 15000pF | ±5% | **GRM43D7U2J153JW31#** | |
| | | | 18000pF | ±5% | **GRM43D7U2J183JW31#** | |
| | | | 22000pF | ±5% | **GRM43D7U2J223JW31#** | |
| | 500Vdc | U2J | 15000pF | ±5% | **GRM43D7U2H153JW31#** | |
| | | | 18000pF | ±5% | **GRM43D7U2H183JW31#** | |
| | | | 22000pF | ±5% | **GRM43D7U2H223JW31#** | |

## 5.7×5.0mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.5mm | 1000Vdc | U2J | 5600pF | ±5% | **GRM55Q7U3A562JW31#** | |
| | | | 6800pF | ±5% | **GRM55Q7U3A682JW31#** | |
| | 630Vdc | U2J | 27000pF | ±5% | **GRM55Q7U2J273JW31#** | |
| | 500Vdc | U2J | 27000pF | ±5% | **GRM55Q7U2H273JW31#** | |
| 2.0mm | 1000Vdc | U2J | 8200pF | ±5% | **GRM55D7U3A822JW31#** | |
| | | | 10000pF | ±5% | **GRM55D7U3A103JW31#** | |
| | 630Vdc | U2J | 33000pF | ±5% | **GRM55D7U2J333JW31#** | |
| | | | 39000pF | ±5% | **GRM55D7U2J393JW31#** | |
| | | | 47000pF | ±5% | **GRM55D7U2J473JW31#** | |
| | 500Vdc | U2J | 33000pF | ±5% | **GRM55D7U2H333JW31#** | |
| | | | 39000pF | ±5% | **GRM55D7U2H393JW31#** | |
| | | | 47000pF | ±5% | **GRM55D7U2H473JW31#** | |

Part number # indicates the package specification code.

# GRM Series High Dielectric Constant Type Part Number List

## 0.4×0.2mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 16Vdc | X7R | 100pF | ±10% | GRM022R71C101KE14# | |
| | | | | ±20% | GRM022R71C101ME14# | |
| | | | 150pF | ±10% | GRM022R71C151KE14# | |
| | | | | ±20% | GRM022R71C151ME14# | |
| | | | 220pF | ±10% | GRM022R71C221KE14# | |
| | | | | ±20% | GRM022R71C221ME14# | |
| | | | 330pF | ±10% | GRM022R71C331KE14# | |
| | | | | ±20% | GRM022R71C331ME14# | |
| | | | 470pF | ±10% | GRM022R71C471KE14# | |
| | | | | ±20% | GRM022R71C471ME14# | |
| | | | 1000pF | ±10% | GRM022R71C102KE14# | |
| | | | | ±20% | GRM022R71C102ME14# | |
| | 10Vdc | X7R | 100pF | ±10% | GRM022R71A101KA01# | |
| | | | | ±20% | GRM022R71A101MA01# | |
| | | | 150pF | ±10% | GRM022R71A151KA01# | |
| | | | | ±20% | GRM022R71A151MA01# | |
| | | | 220pF | ±10% | GRM022R71A221KA01# | |
| | | | | ±20% | GRM022R71A221MA01# | |
| | | | 330pF | ±10% | GRM022R71A331KA01# | |
| | | | | ±20% | GRM022R71A331MA01# | |
| | | | 470pF | ±10% | GRM022R71A471KA01# | |
| | | | | ±20% | GRM022R71A471MA01# | |
| | | | 680pF | ±10% | GRM022R71A681KA12# | |
| | | | | ±20% | GRM022R71A681MA12# | |
| | | | 820pF | ±10% | GRM022R71A821KA12# | |
| | | | | ±20% | GRM022R71A821MA12# | |
| | | | 1000pF | ±10% | GRM022R71A102KA12# | |
| | | | | ±20% | GRM022R71A102MA12# | |
| | | X5R | 100pF | ±10% | GRM022R61A101KA01# | |
| | | | | ±20% | GRM022R61A101MA01# | |
| | | | 150pF | ±10% | GRM022R61A151KA01# | |
| | | | | ±20% | GRM022R61A151MA01# | |
| | | | 220pF | ±10% | GRM022R61A221KA01# | |
| | | | | ±20% | GRM022R61A221MA01# | |
| | | | 330pF | ±10% | GRM022R61A331KA01# | |
| | | | | ±20% | GRM022R61A331MA01# | |
| | | | 470pF | ±10% | GRM022R61A471KA01# | |
| | | | | ±20% | GRM022R61A471MA01# | |
| | | | 680pF | ±10% | GRM022R61A681KE19# | |
| | | | | ±20% | GRM022R61A681ME19# | |
| | | | 1000pF | ±10% | GRM022R61A102KE19# | |
| | | | | ±20% | GRM022R61A102ME19# | |
| | | | 1500pF | ±10% | GRM022R61A152KE19# | |
| | | | | ±20% | GRM022R61A152ME19# | |
| | | | 2200pF | ±10% | GRM022R61A222KE19# | |
| | | | | ±20% | GRM022R61A222ME19# | |
| | | | 3300pF | ±10% | GRM022R61A332KE19# | |
| | | | | ±20% | GRM022R61A332ME19# | |
| | | | 4700pF | ±10% | GRM022R61A472KE19# | |
| | | | | ±20% | GRM022R61A472ME19# | |
| | | | 6800pF | ±10% | GRM022R61A682KE19# | |
| | | | | ±20% | GRM022R61A682ME19# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 10Vdc | X5R | 10000pF | ±10% | GRM022R61A103KE19# | |
| | | | | ±20% | GRM022R61A103ME19# | |
| | | B | 100pF | ±10% | GRM022B11A101KA01# | |
| | | | | ±20% | GRM022B11A101MA01# | |
| | | | 150pF | ±10% | GRM022B11A151KA01# | |
| | | | | ±20% | GRM022B11A151MA01# | |
| | | | 220pF | ±10% | GRM022B11A221KA01# | |
| | | | | ±20% | GRM022B11A221MA01# | |
| | | | 330pF | ±10% | GRM022B11A331KA01# | |
| | | | | ±20% | GRM022B11A331MA01# | |
| | | | 470pF | ±10% | GRM022B11A471KA01# | |
| | | | | ±20% | GRM022B11A471MA01# | |
| | | | 680pF | ±10% | GRM022B31A681KE19# | |
| | | | | ±20% | GRM022B31A681ME19# | |
| | | | 1000pF | ±10% | GRM022B31A102KE19# | |
| | | | | ±20% | GRM022B31A102ME19# | |
| | | | 1500pF | ±10% | GRM022B31A152KE19# | |
| | | | | ±20% | GRM022B31A152ME19# | |
| | | | 2200pF | ±10% | GRM022B31A222KE19# | |
| | | | | ±20% | GRM022B31A222ME19# | |
| | | | 3300pF | ±10% | GRM022B31A332KE19# | |
| | | | | ±20% | GRM022B31A332ME19# | |
| | | | 4700pF | ±10% | GRM022B31A472KE19# | |
| | | | | ±20% | GRM022B31A472ME19# | |
| | | | 6800pF | ±10% | GRM022B31A682KE19# | |
| | | | | ±20% | GRM022B31A682ME19# | |
| | | | 10000pF | ±10% | GRM022B31A103KE19# | |
| | | | | ±20% | GRM022B31A103ME19# | |
| | 6.3Vdc | X5R | 1000pF | ±20% | GRM022R60J102ME19# | |
| | | | 1500pF | ±20% | GRM022R60J152ME19# | |
| | | | 2200pF | ±20% | GRM022R60J222ME19# | |
| | | | 3300pF | ±20% | GRM022R60J332ME19# | |
| | | | 4700pF | ±20% | GRM022R60J472ME19# | |
| | | | 6800pF | ±20% | GRM022R60J682ME19# | |
| | | | 10000pF | ±20% | GRM022R60J103ME19# | |
| | | | 15000pF | ±20% | GRM022R60J153ME15# | D1 |
| | | | 22000pF | ±10% | GRM022R60J223KE15# | D1 |
| | | | | ±20% | GRM022R60J223ME15# | D1 |
| | | | 33000pF | ±20% | GRM022R60J333ME15# | D1 |
| | | | 47000pF | ±20% | GRM022R60J473ME15# | D1 |
| | | | 68000pF | ±20% | GRM022R60J683ME15# | D1 |
| | | | 0.10μF | ±20% | GRM022R60J104ME15# | D1 |
| | | B | 1000pF | ±20% | GRM022B30J102ME19# | |
| | | | 1500pF | ±20% | GRM022B30J152ME19# | |
| | | | 2200pF | ±20% | GRM022B30J222ME19# | |
| | | | 3300pF | ±20% | GRM022B30J332ME19# | |
| | | | 4700pF | ±20% | GRM022B30J472ME19# | |
| | | | 6800pF | ±20% | GRM022B30J682ME19# | |
| | | | 10000pF | ±20% | GRM022B30J103ME19# | |
| | 4Vdc | X6T | 0.10μF | ±20% | GRM022D80G104ME15# | D1 |
| | | X5R | 15000pF | ±10% | GRM022R60G153KE15# | |
| | | | | ±20% | GRM022R60G153ME15# | |
| | | | 22000pF | ±10% | GRM022R60G223KE15# | |
| | | | | ±20% | GRM022R60G223ME15# | |

Part number # indicates the package specification code.

# GRM Series High Dielectric Constant Type Part Number List

## (→ 0.4×0.2mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 4Vdc | X5R | 33000pF | ±10% | GRM022R60G333KE15# | |
| | | | | ±20% | GRM022R60G333ME15# | |
| | | | 47000pF | ±10% | GRM022R60G473KE15# | |
| | | | | ±20% | GRM022R60G473ME15# | |
| | | | 68000pF | ±20% | GRM022R60G683ME15# | |
| | | | 0.10μF | ±20% | GRM022R60G104ME15# | |
| | 2.5Vdc | X6T | 0.10μF | ±20% | GRM022D80E104ME15# | |

## 0.6×0.3mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | X7R | 100pF | ±10% | GRM033R71H101KA12# | |
| | | | | ±20% | GRM033R71H101MA12# | |
| | | | 150pF | ±10% | GRM033R71H151KA12# | |
| | | | | ±20% | GRM033R71H151MA12# | |
| | | | 220pF | ±10% | GRM033R71H221KA12# | |
| | | | | ±20% | GRM033R71H221MA12# | |
| | | | 330pF | ±10% | GRM033R71H331KA12# | |
| | | | | ±20% | GRM033R71H331MA12# | |
| | | | 470pF | ±10% | GRM033R71H471KA12# | |
| | | | | ±20% | GRM033R71H471MA12# | |
| | | | 680pF | ±10% | GRM033R71H681KA12# | |
| | | | | ±20% | GRM033R71H681MA12# | |
| | | | 1000pF | ±10% | GRM033R71H102KA12# | |
| | | | | ±20% | GRM033R71H102MA12# | |
| | | | 1500pF | ±10% | GRM033R71H152KA12# | |
| | | | | ±20% | GRM033R71H152MA12# | |
| | | B | 100pF | ±10% | GRM033B31H101KA12# | |
| | | | | ±20% | GRM033B31H101MA12# | |
| | | | 150pF | ±10% | GRM033B31H151KA12# | |
| | | | | ±20% | GRM033B31H151MA12# | |
| | | | 220pF | ±10% | GRM033B31H221KA12# | |
| | | | | ±20% | GRM033B31H221MA12# | |
| | | | 330pF | ±10% | GRM033B31H331KA12# | |
| | | | | ±20% | GRM033B31H331MA12# | |
| | | | 470pF | ±10% | GRM033B31H471KA12# | |
| | | | | ±20% | GRM033B31H471MA12# | |
| | | | 680pF | ±10% | GRM033B31H681KA12# | |
| | | | | ±20% | GRM033B31H681MA12# | |
| | | | 1000pF | ±10% | GRM033B31H102KA12# | |
| | | | | ±20% | GRM033B31H102MA12# | |
| | | | 1500pF | ±10% | GRM033B31H152KA12# | |
| | | | | ±20% | GRM033B31H152MA12# | |
| | 35Vdc | X5R | 0.10μF | ±10% | GRM033R6YA104KE14# | D1 |
| | | | | ±20% | GRM033R6YA104ME14# | D1 |
| | 25Vdc | X7R | 1000pF | ±10% | GRM033R71E102KA01# | |
| | | | 1500pF | ±10% | GRM033R71E152KA01# | |
| | | | 2200pF | ±10% | GRM033R71E222KA12# | |
| | | | | ±20% | GRM033R71E222MA12# | |
| | | | 3300pF | ±10% | GRM033R71E332KA12# | |
| | | | | ±20% | GRM033R71E332MA12# | |
| | | | 4700pF | ±10% | GRM033R71E472KE14# | D1 |
| | | | | ±20% | GRM033R71E472ME14# | D1 |
| 0.33mm | 25Vdc | X7R | 6800pF | ±10% | GRM033R71E682KE14# | D1 |
| | | | | ±20% | GRM033R71E682ME14# | D1 |
| | | | 10000pF | ±10% | GRM033R71E103KE14# | D1 |
| | | | | ±20% | GRM033R71E103ME14# | D1 |
| | | R | 100pF | ±10% | GRM033R11E101KA01# | |
| | | | 150pF | ±10% | GRM033R11E151KA01# | |
| | | | 220pF | ±10% | GRM033R11E221KA01# | |
| | | | 330pF | ±10% | GRM033R11E331KA01# | |
| | | | 470pF | ±10% | GRM033R11E471KA01# | |
| | | | 680pF | ±10% | GRM033R11E681KA01# | |
| | | | 1000pF | ±10% | GRM033R11E102KA01# | |
| | | | 1500pF | ±10% | GRM033R11E152KA01# | |
| | | X6S | 0.10μF | ±10% | GRM033C81E104KE14# | D1 |
| | | | | ±20% | GRM033C81E104ME14# | D1 |
| | | X5R | 4700pF | ±10% | GRM033R61E472KA12# | D1 |
| | | | | ±20% | GRM033R61E472MA12# | D1 |
| | | | 6800pF | ±10% | GRM033R61E682KA12# | D1 |
| | | | | ±20% | GRM033R61E682MA12# | D1 |
| | | | 10000pF | ±10% | GRM033R61E103KA12# | D1 |
| | | | | ±20% | GRM033R61E103MA12# | D1 |
| | | | 0.10μF | ±10% | GRM033R61E104KE14# | |
| | | | | ±20% | GRM033R61E104ME14# | |
| | | B | 1000pF | ±10% | GRM033B11E102KA01# | |
| | | | | ±20% | GRM033B11E102MA01# | |
| | | | 1500pF | ±10% | GRM033B11E152KA01# | |
| | | | | ±20% | GRM033B11E152MA01# | |
| | | | 2200pF | ±10% | GRM033B31E222KA12# | |
| | | | | ±20% | GRM033B31E222MA12# | |
| | | | 3300pF | ±10% | GRM033B31E332KA12# | |
| | | | | ±20% | GRM033B31E332MA12# | |
| | | | 10000pF | ±10% | GRM033B31E103KA12# | D1 |
| | | | | ±20% | GRM033B31E103MA12# | D1 |
| | 16Vdc | X7R | 2200pF | ±10% | GRM033R71C222KA88# | |
| | | | 3300pF | ±10% | GRM033R71C332KA88# | |
| | | | 4700pF | ±10% | GRM033R71C472KE14# | |
| | | | | ±20% | GRM033R71C472ME14# | |
| | | | 6800pF | ±10% | GRM033R71C682KE14# | |
| | | | | ±20% | GRM033R71C682ME14# | |
| | | | 10000pF | ±10% | GRM033R71C103KE14# | |
| | | | | ±20% | GRM033R71C103ME14# | |
| | | X7S | 0.10μF | ±10% | GRM033C71C104KE14# | D1 |
| | | | | ±20% | GRM033C71C104ME14# | D1 |
| | | R | 2200pF | ±10% | GRM033R11C222KA88# | |
| | | | 3300pF | ±10% | GRM033R11C332KA88# | |
| | | X6S | 0.10μF | ±10% | GRM033C81C104KE14# | |
| | | | | ±20% | GRM033C81C104ME14# | |
| | | X5R | 10000pF | ±10% | GRM033R61C103KA12# | |
| | | | | ±20% | GRM033R61C103MA12# | |
| | | | 15000pF | ±10% | GRM033R61C153KE84# | D1 |
| | | | | ±20% | GRM033R61C153ME84# | D1 |
| | | | 22000pF | ±10% | GRM033R61C223KE84# | D1 |
| | | | | ±20% | GRM033R61C223ME84# | D1 |
| | | | 33000pF | ±10% | GRM033R61C333KE84# | D1 |
| | | | | ±20% | GRM033R61C333ME84# | D1 |

Part number # indicates the package specification code.

# GRM Series High Dielectric Constant Type Part Number List

## (→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 16Vdc | X5R | 47000pF | ±10% | GRM033R61C473KE84# | D1 |
| | | | | ±20% | GRM033R61C473ME84# | D1 |
| | | | 68000pF | ±10% | GRM033R61C683KE84# | D1 |
| | | | | ±20% | GRM033R61C683ME84# | D1 |
| | | | 0.10μF | ±10% | GRM033R61C104KE14# | |
| | | | | ±20% | GRM033R61C104ME14# | |
| | | B | 2200pF | ±10% | GRM033B31C222KA87# | |
| | | | | ±20% | GRM033B31C222MA87# | |
| | | | 3300pF | ±10% | GRM033B31C332KA87# | |
| | | | | ±20% | GRM033B31C332MA87# | |
| | | | 10000pF | ±10% | GRM033B31C103KA12# | |
| | | | | ±20% | GRM033B31C103MA12# | |
| | | | 15000pF | ±10% | GRM033B31C153KE84# | D1 |
| | | | | ±20% | GRM033B31C153ME84# | D1 |
| | | | 22000pF | ±10% | GRM033B31C223KE84# | D1 |
| | | | | ±20% | GRM033B31C223ME84# | D1 |
| | | | 33000pF | ±10% | GRM033B31C333KE84# | D1 |
| | | | | ±20% | GRM033B31C333ME84# | D1 |
| | | | 47000pF | ±10% | GRM033B31C473KE84# | D1 |
| | | | | ±20% | GRM033B31C473ME84# | D1 |
| | | | 68000pF | ±10% | GRM033B31C683KE84# | D1 |
| | | | | ±20% | GRM033B31C683ME84# | D1 |
| | | | 0.10μF | ±10% | GRM033B31C104KE84# | D1 |
| | | | | ±20% | GRM033B31C104ME84# | D1 |
| | 10Vdc | X7R | 4700pF | ±10% | GRM033R71A472KA01# | |
| | | | | ±20% | GRM033R71A472MA01# | |
| | | | 6800pF | ±10% | GRM033R71A682KA01# | |
| | | | | ±20% | GRM033R71A682MA01# | |
| | | | 10000pF | ±10% | GRM033R71A103KA01# | |
| | | | | ±20% | GRM033R71A103MA01# | |
| | | X7S | 0.10μF | ±10% | GRM033C71A104KE14# | |
| | | | | ±20% | GRM033C71A104ME14# | |
| | | R | 4700pF | ±10% | GRM033R11A472KA01# | |
| | | | | ±20% | GRM033R11A472MA01# | |
| | | | 6800pF | ±10% | GRM033R11A682KA01# | |
| | | | | ±20% | GRM033R11A682MA01# | |
| | | | 10000pF | ±10% | GRM033R11A103KA01# | |
| | | | | ±20% | GRM033R11A103MA01# | |
| | | X5R | 4700pF | ±10% | GRM033R61A472KA01# | |
| | | | | ±20% | GRM033R61A472MA01# | |
| | | | 6800pF | ±10% | GRM033R61A682KA01# | |
| | | | | ±20% | GRM033R61A682MA01# | |
| | | | 15000pF | ±10% | GRM033R61A153KE84# | |
| | | | | ±20% | GRM033R61A153ME84# | |
| | | | 22000pF | ±10% | GRM033R61A223KE84# | |
| | | | | ±20% | GRM033R61A223ME84# | |
| | | | 33000pF | ±10% | GRM033R61A333KE84# | |
| | | | | ±20% | GRM033R61A333ME84# | |
| | | | 47000pF | ±10% | GRM033R61A473KE84# | |
| | | | | ±20% | GRM033R61A473ME84# | |
| | | | 68000pF | ±10% | GRM033R61A683KE84# | |
| | | | | ±20% | GRM033R61A683ME84# | |
| | | | 0.10μF | ±10% | GRM033R61A104KE84# | |
| | | | | ±20% | GRM033R61A104ME84# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 10Vdc | X5R | 0.22μF | ±20% | GRM033R61A224ME90# | D1 |
| | | B | 4700pF | ±10% | GRM033B11A472KA01# | |
| | | | | ±20% | GRM033B11A472MA01# | |
| | | | 6800pF | ±10% | GRM033B11A682KA01# | |
| | | | | ±20% | GRM033B11A682MA01# | |
| | | | 15000pF | ±10% | GRM033B31A153KE84# | |
| | | | | ±20% | GRM033B31A153ME84# | |
| | | | 22000pF | ±10% | GRM033B31A223KE84# | |
| | | | | ±20% | GRM033B31A223ME84# | |
| | | | 33000pF | ±10% | GRM033B31A333KE84# | |
| | | | | ±20% | GRM033B31A333ME84# | |
| | | | 47000pF | ±10% | GRM033B31A473KE84# | |
| | | | | ±20% | GRM033B31A473ME84# | |
| | | | 68000pF | ±10% | GRM033B31A683KE84# | |
| | | | | ±20% | GRM033B31A683ME84# | |
| | | | 0.10μF | ±10% | GRM033B31A104KE84# | |
| | | | | ±20% | GRM033B31A104ME84# | |
| | 6.3Vdc | X7R | 4700pF | ±10% | GRM033R70J472KA01# | |
| | | | 6800pF | ±10% | GRM033R70J682KA01# | |
| | | | 10000pF | ±10% | GRM033R70J103KA01# | |
| | | R | 4700pF | ±10% | GRM033R10J472KA01# | |
| | | | 6800pF | ±10% | GRM033R10J682KA01# | |
| | | | 10000pF | ±10% | GRM033R10J103KA01# | |
| | | X6S | 15000pF | ±10% | GRM033C80J153KE01# | |
| | | | | ±20% | GRM033C80J153ME01# | |
| | | | 22000pF | ±10% | GRM033C80J223KE01# | |
| | | | | ±20% | GRM033C80J223ME01# | |
| | | | 33000pF | ±10% | GRM033C80J333KE01# | |
| | | | | ±20% | GRM033C80J333ME01# | |
| | | | 47000pF | ±10% | GRM033C80J473KE19# | |
| | | | | ±20% | GRM033C80J473ME19# | |
| | | | 68000pF | ±10% | GRM033C80J683KE84# | D1 |
| | | | | ±20% | GRM033C80J683ME84# | D1 |
| | | | 0.10μF | ±10% | GRM033C80J104KE84# | D1 |
| | | | | ±20% | GRM033C80J104ME84# | D1 |
| | | | 0.22μF | ±20% | GRM033C80J224ME90# | D1 |
| | | X5R | 0.22μF | ±20% | GRM033R60J224ME90# | |
| | | B | 4700pF | ±10% | GRM033B10J472KA01# | |
| | | | 6800pF | ±10% | GRM033B10J682KA01# | |
| | | | 15000pF | ±10% | GRM033B10J153KE01# | |
| | | | | ±20% | GRM033B10J153ME01# | |
| | | | 22000pF | ±10% | GRM033B10J223KE01# | |
| | | | | ±20% | GRM033B10J223ME01# | |
| | | | 33000pF | ±10% | GRM033B10J333KE01# | |
| | | | | ±20% | GRM033B10J333ME01# | |
| | 4Vdc | X6S | 0.22μF | ±20% | GRM033C80G224ME90# | |

## 1.0×0.5mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 10Vdc | X5R | 0.10μF | ±10% | GRM152R61A104KE19# | D1 |
| | | | | ±20% | GRM152R61A104ME19# | D1 |
| | | | 0.22μF | ±10% | GRM152R61A224KE19# | D1 |

Part number # indicates the package specification code.

# GRM Series High Dielectric Constant Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 10Vdc | X5R | 0.22μF | ±20% | GRM152R61A224ME19# | D1 |
| | | B | 0.10μF | ±10% | GRM152B31A104KE19# | D1 |
| | | | | ±20% | GRM152B31A104ME19# | D1 |
| | | | 0.22μF | ±10% | GRM152B31A224KE19# | D1 |
| | | | | ±20% | GRM152B31A224ME19# | D1 |
| | 6.3Vdc | X6S | 0.10μF | ±10% | GRM152C80J104KE19# | D1 |
| | | | | ±20% | GRM152C80J104ME19# | D1 |
| | | | 0.22μF | ±10% | GRM152C80J224KE19# | D1 |
| | | | | ±20% | GRM152C80J224ME19# | D1 |
| | | X5R | 0.10μF | ±10% | GRM152R60J104KE19# | |
| | | | | ±20% | GRM152R60J104ME19# | |
| | | | 0.22μF | ±10% | GRM152R60J224KE19# | |
| | | | | ±20% | GRM152R60J224ME19# | |
| | | | 0.47μF | ±20% | GRM152R60J474ME15# | D1 |
| | | | 1.0μF | ±20% | GRM152R60J105ME15# | D1 |
| | | B | 0.10μF | ±10% | GRM152B30J104KE19# | |
| | | | | ±20% | GRM152B30J104ME19# | |
| | | | 0.22μF | ±10% | GRM152B30J224KE19# | |
| | | | | ±20% | GRM152B30J224ME19# | |
| | | | 0.47μF | ±20% | GRM152B30J474ME15# | D1 |
| | 4Vdc | X7T | 0.10μF | ±10% | GRM152D70G104KE15# | D1 |
| | | | | ±20% | GRM152D70G104ME15# | D1 |
| | | | 0.22μF | ±10% | GRM152D70G224KE15# | D1 |
| | | | | ±20% | GRM152D70G224ME15# | D1 |
| | | X6S | 0.10μF | ±10% | GRM152C80G104KE19# | |
| | | | | ±20% | GRM152C80G104ME19# | |
| | | | 0.22μF | ±10% | GRM152C80G224KE19# | |
| | | | | ±20% | GRM152C80G224ME19# | |
| | | X6T | 0.47μF | ±20% | GRM152D80G474ME15# | |
| | | | 1.0μF | ±20% | GRM152D80G105ME15# | D1 |
| | | X5R | 1.0μF | ±20% | GRM152R60G105ME15# | |
| | 2.5Vdc | X7T | 0.10μF | ±10% | GRM152D70E104KE19# | |
| | | | | ±20% | GRM152D70E104ME19# | |
| | | | 0.22μF | ±10% | GRM152D70E224KE19# | |
| | | | | ±20% | GRM152D70E224ME19# | |
| 0.3mm | 50Vdc | X7R | 220pF | ±10% | GRM15XR71H221KA86# | |
| | | | 330pF | ±10% | GRM15XR71H331KA86# | |
| | | | 470pF | ±10% | GRM15XR71H471KA86# | |
| | | | 680pF | ±10% | GRM15XR71H681KA86# | |
| | | | 1000pF | ±10% | GRM15XR71H102KA86# | |
| | | | 1500pF | ±10% | GRM15XR71H152KA86# | |
| | | R | 220pF | ±10% | GRM15XR11H221KA86# | |
| | | | 330pF | ±10% | GRM15XR11H331KA86# | |
| | | | 470pF | ±10% | GRM15XR11H471KA86# | |
| | | | 680pF | ±10% | GRM15XR11H681KA86# | |
| | | | 1000pF | ±10% | GRM15XR11H102KA86# | |
| | | | 1500pF | ±10% | GRM15XR11H152KA86# | |
| | | B | 220pF | ±10% | GRM15XB11H221KA86# | |
| | | | | ±20% | GRM15XB11H221MA86# | |
| | | | 330pF | ±10% | GRM15XB11H331KA86# | |
| | | | | ±20% | GRM15XB11H331MA86# | |
| | | | 470pF | ±10% | GRM15XB11H471KA86# | |
| | | | | ±20% | GRM15XB11H471MA86# | |
| | | | 680pF | ±10% | GRM15XB11H681KA86# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.3mm | 50Vdc | B | 680pF | ±20% | GRM15XB11H681MA86# | |
| | | | 1000pF | ±10% | GRM15XB11H102KA86# | |
| | | | | ±20% | GRM15XB11H102MA86# | |
| | | | 1500pF | ±10% | GRM15XB11H152KA86# | |
| | | | | ±20% | GRM15XB11H152MA86# | |
| | 25Vdc | X7R | 2200pF | ±10% | GRM15XR71E222KA86# | |
| | | | | ±20% | GRM15XR71E222MA86# | |
| | | B | 2200pF | ±10% | GRM15XB11E222KA86# | |
| | | | | ±20% | GRM15XB11E222MA86# | |
| | 16Vdc | X7R | 3300pF | ±10% | GRM15XR71C332KA86# | |
| | | | | ±20% | GRM15XR71C332MA86# | |
| | | | 4700pF | ±10% | GRM15XR71C472KA86# | |
| | | | | ±20% | GRM15XR71C472MA86# | |
| | | | 6800pF | ±10% | GRM15XR71C682KA86# | |
| | | | | ±20% | GRM15XR71C682MA86# | |
| | | | 10000pF | ±10% | GRM15XR71C103KA86# | |
| | | | | ±20% | GRM15XR71C103MA86# | |
| | | B | 3300pF | ±10% | GRM15XB11C332KA86# | |
| | | | | ±20% | GRM15XB11C332MA86# | |
| | | | 4700pF | ±10% | GRM15XB11C472KA86# | |
| | | | | ±20% | GRM15XB11C472MA86# | |
| | | | 6800pF | ±10% | GRM15XB11C682KA86# | |
| | | | | ±20% | GRM15XB11C682MA86# | |
| | | | 10000pF | ±10% | GRM15XB11C103KA86# | |
| | | | | ±20% | GRM15XB11C103MA86# | |
| | 10Vdc | X5R | 15000pF | ±10% | GRM15XR61A153KA86# | |
| | | | | ±20% | GRM15XR61A153MA86# | |
| | | | 22000pF | ±10% | GRM15XR61A223KA86# | |
| | | | | ±20% | GRM15XR61A223MA86# | |
| | | | 33000pF | ±10% | GRM15XR61A333KA86# | |
| | | | | ±20% | GRM15XR61A333MA86# | |
| 0.33mm | 10Vdc | X5R | 1.0μF | ±20% | GRM153R61A105ME95# | D1 |
| | | B | 1.0μF | ±20% | GRM153B31A105ME95# | D1 |
| | 6.3Vdc | X6T | 1.0μF | ±20% | GRM153D80J105ME95# | D1 |
| | | X5R | 1.0μF | ±20% | GRM153R60J105ME95# | |
| | | B | 1.0μF | ±20% | GRM153B30J105ME95# | |
| | 4Vdc | X6T | 1.0μF | ±20% | GRM153D80G105ME95# | |
| 0.55mm | 100Vdc | X7R | 220pF | ±10% | GRM155R72A221KA01# | |
| | | | 330pF | ±10% | GRM155R72A331KA01# | |
| | | | 470pF | ±10% | GRM155R72A471KA01# | |
| | | | 680pF | ±10% | GRM155R72A681KA01# | |
| | | | 1000pF | ±10% | GRM155R72A102KA01# | |
| | | | 1500pF | ±10% | GRM155R72A152KA01# | |
| | | | 2200pF | ±10% | GRM155R72A222KA01# | |
| | | | 3300pF | ±10% | GRM155R72A332KA01# | |
| | | | 4700pF | ±10% | GRM155R72A472KA01# | |
| | 50Vdc | X7R | 220pF | ±10% | GRM155R71H221KA01# | |
| | | | 330pF | ±10% | GRM155R71H331KA01# | |
| | | | 470pF | ±10% | GRM155R71H471KA01# | |
| | | | 680pF | ±10% | GRM155R71H681KA01# | |
| | | | 1000pF | ±10% | GRM155R71H102KA01# | |
| | | | 1500pF | ±10% | GRM155R71H152KA01# | |
| | | | 2200pF | ±10% | GRM155R71H222KA01# | |
| | | | 3300pF | ±10% | GRM155R71H332KA01# | |

Part number # indicates the package specification code.

# GRM Series High Dielectric Constant Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | X7R | 4700pF | ±10% | GRM155R71H472KA01# | |
| | | | 6800pF | ±10% | GRM155R71H682KA88# | |
| | | | 10000pF | ±10% | GRM155R71H103KA88# | |
| | | | 15000pF | ±10% | GRM155R71H153KA12# | |
| | | | 22000pF | ±10% | GRM155R71H223KA12# | |
| | | | 33000pF | ±10% | GRM155R71H333KE14# | |
| | | | | ±20% | GRM155R71H333ME14# | |
| | | | 47000pF | ±10% | GRM155R71H473KE14# | |
| | | | | ±20% | GRM155R71H473ME14# | |
| | | | 68000pF | ±10% | GRM155R71H683KE14# | |
| | | | | ±20% | GRM155R71H683ME14# | |
| | | | 0.10μF | ±10% | GRM155R71H104KE14# | |
| | | | | ±20% | GRM155R71H104ME14# | |
| | | R | 220pF | ±10% | GRM155R11H221KA01# | |
| | | | 330pF | ±10% | GRM155R11H331KA01# | |
| | | | 470pF | ±10% | GRM155R11H471KA01# | |
| | | | 680pF | ±10% | GRM155R11H681KA01# | |
| | | | 1000pF | ±10% | GRM155R11H102KA01# | |
| | | | 1500pF | ±10% | GRM155R11H152KA01# | |
| | | | 2200pF | ±10% | GRM155R11H222KA01# | |
| | | | 3300pF | ±10% | GRM155R11H332KA01# | |
| | | | 4700pF | ±10% | GRM155R11H472KA01# | |
| | | | 6800pF | ±10% | GRM155R11H682KA88# | |
| | | | 10000pF | ±10% | GRM155R11H103KA88# | |
| | | X6S | 33000pF | ±10% | GRM155C81H333KE14# | |
| | | | | ±20% | GRM155C81H333ME14# | |
| | | | 47000pF | ±10% | GRM155C81H473KE14# | |
| | | | | ±20% | GRM155C81H473ME14# | |
| | | | 68000pF | ±10% | GRM155C81H683KE14# | |
| | | | | ±20% | GRM155C81H683ME14# | |
| | | X5R | 33000pF | ±10% | GRM155R61H333KE14# | |
| | | | | ±20% | GRM155R61H333ME14# | |
| | | | 47000pF | ±10% | GRM155R61H473KE14# | |
| | | | | ±20% | GRM155R61H473ME14# | |
| | | | 68000pF | ±10% | GRM155R61H683KE14# | |
| | | | | ±20% | GRM155R61H683ME14# | |
| | | | 0.10μF | ±10% | GRM155R61H104KE14# | |
| | | | | ±20% | GRM155R61H104ME14# | |
| | | B | 220pF | ±10% | GRM155B11H221KA01# | |
| | | | | ±20% | GRM155B11H221MA01# | |
| | | | 330pF | ±10% | GRM155B11H331KA01# | |
| | | | | ±20% | GRM155B11H331MA01# | |
| | | | 470pF | ±10% | GRM155B11H471KA01# | |
| | | | | ±20% | GRM155B11H471MA01# | |
| | | | 680pF | ±10% | GRM155B11H681KA01# | |
| | | | | ±20% | GRM155B11H681MA01# | |
| | | | 1000pF | ±10% | GRM155B11H102KA01# | |
| | | | | ±20% | GRM155B11H102MA01# | |
| | | | 1500pF | ±10% | GRM155B11H152KA01# | |
| | | | | ±20% | GRM155B11H152MA01# | |
| | | | 2200pF | ±10% | GRM155B11H222KA01# | |
| | | | | ±20% | GRM155B11H222MA01# | |
| | | | 3300pF | ±10% | GRM155B11H332KA01# | |
| | | | | ±20% | GRM155B11H332MA01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | B | 4700pF | ±10% | GRM155B11H472KA01# | |
| | | | | ±20% | GRM155B11H472MA01# | |
| | | | 6800pF | ±10% | GRM155B31H682KA88# | |
| | | | | ±20% | GRM155B31H682MA88# | |
| | | | 10000pF | ±10% | GRM155B31H103KA88# | |
| | | | | ±20% | GRM155B31H103MA88# | |
| | | | 15000pF | ±10% | GRM155B31H153KA12# | |
| | | | | ±20% | GRM155B31H153MA12# | |
| | | | 22000pF | ±10% | GRM155B31H223KA12# | |
| | | | | ±20% | GRM155B31H223MA12# | |
| | | | 0.10μF | ±10% | GRM155B31H104KE14# | |
| | | | | ±20% | GRM155B31H104ME14# | |
| | 35Vdc | X6S | 0.22μF | ±10% | GRM155C8YA224KE01# | D1 |
| | | | | ±20% | GRM155C8YA224ME01# | D1 |
| | | X5R | 0.22μF | ±10% | GRM155R6YA224KE01# | D1 |
| | | | | ±20% | GRM155R6YA224ME01# | D1 |
| | | | 0.47μF | ±10% | GRM155R6YA474KE01# | D1 |
| | | | | ±20% | GRM155R6YA474ME01# | D1 |
| | 25Vdc | X7R | 2200pF | ±10% | GRM155R71E222KA01# | |
| | | | 10000pF | ±10% | GRM155R71E103KA01# | |
| | | | 15000pF | ±10% | GRM155R71E153KA61# | |
| | | | 22000pF | ±10% | GRM155R71E223KA61# | |
| | | | 33000pF | ±10% | GRM155R71E333KA88# | |
| | | | 47000pF | ±10% | GRM155R71E473KA88# | |
| | | | 68000pF | ±10% | GRM155R71E683KE14# | |
| | | | | ±20% | GRM155R71E683ME14# | |
| | | | 0.10μF | ±10% | GRM155R71E104KE14# | |
| | | | | ±20% | GRM155R71E104ME14# | |
| | | R | 6800pF | ±10% | GRM155R11E682KA01# | |
| | | | 10000pF | ±10% | GRM155R11E103KA01# | |
| | | | 15000pF | ±10% | GRM155R11E153KA61# | |
| | | | 22000pF | ±10% | GRM155R11E223KA61# | |
| | | | 33000pF | ±10% | GRM155R11E333KA88# | |
| | | | 47000pF | ±10% | GRM155R11E473KA88# | |
| | | X6S | 0.22μF | ±10% | GRM155C81E224KE01# | |
| | | | | ±20% | GRM155C81E224ME01# | |
| | | X5R | 68000pF | ±10% | GRM155R61E683KA87# | |
| | | | | ±20% | GRM155R61E683MA87# | |
| | | | 0.10μF | ±10% | GRM155R61E104KA87# | |
| | | | | ±20% | GRM155R61E104MA87# | |
| | | | 0.22μF | ±10% | GRM155R61E224KE01# | |
| | | | | ±20% | GRM155R61E224ME01# | |
| | | | 0.47μF | ±10% | GRM155R61E474KE01# | |
| | | | | ±20% | GRM155R61E474ME01# | |
| | | | 1.0μF | ±10% | GRM155R61E105KA12# | D1 |
| | | | | ±20% | GRM155R61E105MA12# | D1 |
| | | B | 2200pF | ±10% | GRM155B11E222KA01# | |
| | | | 10000pF | ±10% | GRM155B11E103KA01# | |
| | | | | ±20% | GRM155B11E103MA01# | |
| | | | 15000pF | ±10% | GRM155B11E153KA61# | |
| | | | | ±20% | GRM155B11E153MA61# | |
| | | | 22000pF | ±10% | GRM155B11E223KA61# | |
| | | | | ±20% | GRM155B11E223MA61# | |
| | | | 33000pF | ±10% | GRM155B31E333KA87# | |

Part number # indicates the package specification code.

# GRM Series High Dielectric Constant Type Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 25Vdc | B | 33000pF | ±20% | GRM155B31E333MA87# | |
| | | | 47000pF | ±10% | GRM155B31E473KA87# | |
| | | | | ±20% | GRM155B31E473MA87# | |
| | | | 68000pF | ±10% | GRM155B31E683KA87# | |
| | | | | ±20% | GRM155B31E683MA87# | |
| | | | 0.10μF | ±10% | GRM155B31E104KA87# | |
| | | | | ±20% | GRM155B31E104MA87# | |
| | | | 1.0μF | ±10% | GRM155B31E105KA12# | D1 |
| | | | | ±20% | GRM155B31E105MA12# | D1 |
| | 16Vdc | X7R | 4700pF | ±10% | GRM155R71C472KA01# | |
| | | | 10000pF | ±10% | GRM155R71C103KA01# | |
| | | | | ±20% | GRM155R71C103MA01# | |
| | | | 68000pF | ±10% | GRM155R71C683KA88# | |
| | | | 0.15μF | ±10% | GRM155R71C154KA12# | |
| | | | 0.22μF | ±10% | GRM155R71C224KA12# | |
| | | R | 68000pF | ±10% | GRM155R11C683KA88# | |
| | | X6S | 0.47μF | ±10% | GRM155C81C474KE01# | |
| | | | | ±20% | GRM155C81C474ME01# | |
| | | X5R | 0.22μF | ±10% | GRM155R61C224KA12# | |
| | | | | ±20% | GRM155R61C224MA12# | |
| | | | 0.47μF | ±10% | GRM155R61C474KE01# | |
| | | | | ±20% | GRM155R61C474ME01# | |
| | | | 1.0μF | ±10% | GRM155R61C105KA12# | |
| | | | | ±20% | GRM155R61C105MA12# | |
| | | B | 10000pF | ±10% | GRM155B11C103KA01# | |
| | | | | ±20% | GRM155B11C103MA01# | |
| | | | 1.0μF | ±10% | GRM155B31C105KA12# | |
| | | | | ±20% | GRM155B31C105MA12# | |
| | 10Vdc | X7R | 0.22μF | ±10% | GRM155R71A224KE01# | |
| | | | | ±20% | GRM155R71A224ME01# | |
| | | | 0.47μF | ±10% | GRM155R71A474KE01# | |
| | | | | ±20% | GRM155R71A474ME01# | |
| | | X6S | 1.0μF | ±10% | GRM155C81A105KA12# | |
| | | | | ±20% | GRM155C81A105MA12# | |
| | | X5R | 33000pF | ±10% | GRM155R61A333KA01# | |
| | | | 0.10μF | ±10% | GRM155R61A104KA01# | |
| | | | | ±20% | GRM155R61A104MA01# | |
| | | | 0.15μF | ±10% | GRM155R61A154KE19# | |
| | | | | ±20% | GRM155R61A154ME19# | |
| | | | 0.22μF | ±10% | GRM155R61A224KE19# | |
| | | | | ±20% | GRM155R61A224ME19# | |
| | | | 0.33μF | ±10% | GRM155R61A334KE15# | |
| | | | | ±20% | GRM155R61A334ME15# | |
| | | | 0.47μF | ±10% | GRM155R61A474KE15# | |
| | | | | ±20% | GRM155R61A474ME15# | |
| | | | 0.68μF | ±10% | GRM155R61A684KE15# | |
| | | | | ±20% | GRM155R61A684ME15# | |
| | | | 1.0μF | ±20% | GRM155R61A105ME01# | |
| | | B | 0.15μF | ±10% | GRM155B31A154KE18# | |
| | | | | ±20% | GRM155B31A154ME18# | |
| | | | 0.22μF | ±10% | GRM155B31A224KE18# | |
| | | | | ±20% | GRM155B31A224ME18# | |
| | | | 0.33μF | ±10% | GRM155B31A334KE14# | |
| | | | | ±20% | GRM155B31A334ME14# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 10Vdc | B | 0.47μF | ±10% | GRM155B31A474KE14# | |
| | | | | ±20% | GRM155B31A474ME14# | |
| | | | 0.68μF | ±10% | GRM155B31A684KE15# | |
| | | | | ±20% | GRM155B31A684ME15# | |
| | | | 1.0μF | ±20% | GRM155B31A105ME01# | |
| | | | 2.2μF | ±10% | GRM155B31A225KE95# | D1 |
| | | | | ±20% | GRM155B31A225ME95# | D1 |
| | 6.3Vdc | X7R | 1.0μF | ±10% | GRM155R70J105KA12# | D1 |
| | | | | ±20% | GRM155R70J105MA12# | D1 |
| | | X6S | 0.22μF | ±10% | GRM155C80J224KE01# | |
| | | | | ±20% | GRM155C80J224ME01# | |
| | | | 2.2μF | ±10% | GRM155C80J225KE95# | D1 |
| | | | | ±20% | GRM155C80J225ME95# | D1 |
| | | X5R | 0.10μF | ±10% | GRM155R60J104KA01# | |
| | | | | ±20% | GRM155R60J104MA01# | |
| | | | 0.15μF | ±10% | GRM155R60J154KE01# | |
| | | | | ±20% | GRM155R60J154ME01# | |
| | | | 0.22μF | ±10% | GRM155R60J224KE01# | |
| | | | | ±20% | GRM155R60J224ME01# | |
| | | | 0.33μF | ±10% | GRM155R60J334KE01# | |
| | | | | ±20% | GRM155R60J334ME01# | |
| | | | 0.47μF | ±10% | GRM155R60J474KE19# | |
| | | | | ±20% | GRM155R60J474ME19# | |
| | | | 0.68μF | ±10% | GRM155R60J684KE19# | |
| | | | | ±20% | GRM155R60J684ME19# | |
| | | | 1.0μF | ±20% | GRM155R60J105ME19# | |
| | | B | 0.15μF | ±10% | GRM155B10J154KE01# | |
| | | | | ±20% | GRM155B10J154ME01# | |
| | | | 0.22μF | ±10% | GRM155B10J224KE01# | |
| | | | | ±20% | GRM155B10J224ME01# | |
| | | | 0.33μF | ±10% | GRM155B10J334KE01# | |
| | | | | ±20% | GRM155B10J334ME01# | |
| | | | 0.47μF | ±10% | GRM155B30J474KE18# | |
| | | | | ±20% | GRM155B30J474ME18# | |
| | | | 0.68μF | ±10% | GRM155B30J684KE18# | |
| | | | | ±20% | GRM155B30J684ME18# | |
| | | | 1.0μF | ±20% | GRM155B30J105ME18# | |
| | | | 2.2μF | ±10% | GRM155B30J225KE95# | |
| | | | | ±20% | GRM155B30J225ME95# | |
| | 4Vdc | X7R | 1.0μF | ±10% | GRM155R70G105KA12# | |
| | | | | ±20% | GRM155R70G105MA12# | |
| | | X6S | 0.22μF | ±10% | GRM155C80G224KE01# | |
| | | | | ±20% | GRM155C80G224ME01# | |
| | | X5R | 1.0μF | ±20% | GRM155R60G105ME01# | |
| 0.6mm | 35Vdc | X5R | 1.0μF | ±10% | GRM155R6YA105KE11# | D1 |
| | | | | ±20% | GRM155R6YA105ME11# | D1 |
| | 25Vdc | X6S | 1.0μF | ±10% | GRM155C81E105KE11# | D1 |
| | | | | ±20% | GRM155C81E105ME11# | D1 |
| | 16Vdc | X6S | 1.0μF | ±10% | GRM155C81C105KE11# | |
| | | | | ±20% | GRM155C81C105ME11# | |
| | 6.3Vdc | X5R | 4.7μF | ±20% | GRM155R60J475ME47# | D1 |
| | | B | 4.7μF | ±20% | GRM155B30J475ME47# | D1 |
| | 4Vdc | X5R | 4.7μF | ±20% | GRM155R60G475ME47# | |
| | | B | 4.7μF | ±20% | GRM155B30G475ME47# | |

Part number # indicates the package specification code.

# GRM Series High Dielectric Constant Type Part Number List

## (→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.6mm | 2.5Vdc | X6T | 4.7μF | ±20% | GRM155D80E475ME47# | D1 |
| 0.65mm | 10Vdc | X5R | 4.7μF | ±20% | GRM155R61A475MEAA# | D1 |
| | 6.3Vdc | X6S | 4.7μF | ±20% | GRM155C80J475MEAA# | D1 |
| 0.7mm | 25Vdc | X5R | 2.2μF | ±10% | GRM155R61E225KE11# | |
| | | | | ±20% | GRM155R61E225ME11# | |
| | 16Vdc | X6S | 2.2μF | ±10% | GRM155C81C225KE11# | |
| | | | | ±20% | GRM155C81C225ME11# | |
| | | X5R | 2.2μF | ±10% | GRM155R61C225KE11# | |
| | | | | ±20% | GRM155R61C225ME11# | |
| | 10Vdc | X7S | 2.2μF | ±10% | GRM155C71A225KE11# | |
| | | | | ±20% | GRM155C71A225ME11# | |
| | | X6S | 2.2μF | ±10% | GRM155C81A225KE11# | |
| | | | | ±20% | GRM155C81A225ME11# | |
| | 6.3Vdc | X7S | 2.2μF | ±10% | GRM155C70J225KE11# | |
| | | | | ±20% | GRM155C70J225ME11# | |
| | 4Vdc | X5R | 10μF | ±20% | GRM155R60G106ME44# | |
| | 2.5Vdc | X5R | 10μF | ±20% | GRM155R60E106ME16# | |

## 1.6×0.8mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.5mm | 25Vdc | X5R | 1.0μF | ±10% | GRM185R61E105KA12# | D1 |
| | | | | ±20% | GRM185R61E105MA12# | D1 |
| | | B | 1.0μF | ±10% | GRM185B31E105KA12# | D1 |
| | | | | ±20% | GRM185B31E105MA12# | D1 |
| | 16Vdc | X5R | 1.0μF | ±10% | GRM185R61C105KE44# | |
| | | | | ±20% | GRM185R61C105ME44# | |
| | | B | 1.0μF | ±10% | GRM185B31C105KE43# | |
| | | | | ±20% | GRM185B31C105ME43# | |
| | 6.3Vdc | X5R | 10μF | ±20% | GRM185R60J106ME15# | D1 |
| | 4Vdc | X5R | 10μF | ±20% | GRM185R60G106ME15# | |
| 0.55mm | 16Vdc | X5R | 4.7μF | ±10% | GRM185R61C475KE11# | |
| | | | | ±20% | GRM185R61C475ME11# | |
| | 10Vdc | X6S | 4.7μF | ±10% | GRM185C81A475KE11# | D1 |
| | | | | ±20% | GRM185C81A475ME11# | D1 |
| | | X5R | 4.7μF | ±10% | GRM185R61A475KE11# | |
| | | | | ±20% | GRM185R61A475ME11# | |
| | 6.3Vdc | X7T | 4.7μF | ±20% | GRM185D70J475ME11# | D1 |
| | | X6S | 4.7μF | ±20% | GRM185C80J475ME11# | |
| 0.9mm | 250Vdc | X7R | 220pF | ±10% | GRM188R72E221KW07# | |
| | | | 330pF | ±10% | GRM188R72E331KW07# | |
| | | | 470pF | ±10% | GRM188R72E471KW07# | |
| | | | 680pF | ±10% | GRM188R72E681KW07# | |
| | | | 1000pF | ±10% | GRM188R72E102KW07# | |
| | | | 1500pF | ±10% | GRM188R72E152KW07# | |
| | | | 2200pF | ±10% | GRM188R72E222KW07# | |
| | 200Vdc | X7R | 220pF | ±10% | GRM188R72D221KW07# | |
| | | | 330pF | ±10% | GRM188R72D331KW07# | |
| | | | 470pF | ±10% | GRM188R72D471KW07# | |
| | | | 680pF | ±10% | GRM188R72D681KW07# | |
| | | | 1000pF | ±10% | GRM188R72D102KW07# | |
| | | | 1500pF | ±10% | GRM188R72D152KW07# | |
| | | | 2200pF | ±10% | GRM188R72D222KW07# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | X5R | 1.0μF | ±10% | GRM188R61H105KAAL# | |
| | | | | ±20% | GRM188R61H105MAAL# | |
| | | B | 1.0μF | ±10% | GRM188B31H105KAAL# | |
| | | | | ±20% | GRM188B31H105MAAL# | |
| | 35Vdc | X7R | 0.47μF | ±10% | GRM188R7YA474KE05# | |
| | | | | ±20% | GRM188R7YA474ME05# | |
| | 25Vdc | X7R | 1.0μF | ±10% | GRM188R71E105KA12# | |
| | | | | ±20% | GRM188R71E105MA12# | |
| | | X5R | 1.0μF | ±10% | GRM188R61E105KA12# | |
| | | | | ±20% | GRM188R61E105MA12# | |
| | | | 2.2μF | ±10% | GRM188R61E225KA12# | |
| | | | | ±20% | GRM188R61E225MA12# | |
| | | B | 1.0μF | ±10% | GRM188B31E105KA75# | |
| | | | | ±20% | GRM188B31E105MA75# | |
| | | | 2.2μF | ±10% | GRM188B31E225KA12# | |
| | | | | ±20% | GRM188B31E225MA12# | |
| | 16Vdc | X7R | 1.0μF | ±10% | GRM188R71C105KE15# | |
| | | | | ±20% | GRM188R71C105ME15# | |
| | | X6S | 2.2μF | ±10% | GRM188C81C225KA12# | |
| | | | | ±20% | GRM188C81C225MA12# | |
| | | X5R | 1.0μF | ±10% | GRM188R61C105KA93# | |
| | | | | ±20% | GRM188R61C105MA93# | |
| | | | 2.2μF | ±10% | GRM188R61C225KE15# | |
| | | B | 1.0μF | ±10% | GRM188B31C105KA92# | |
| | | | | ±20% | GRM188B31C105MA92# | |
| | | | 2.2μF | ±10% | GRM188B31C225KE14# | |
| | 10Vdc | X7R | 2.2μF | ±10% | GRM188R71A225KE15# | |
| | | | | ±20% | GRM188R71A225ME15# | |
| | | X5R | 4.7μF | ±10% | GRM188R61A475KE15# | D1 |
| | | | | ±20% | GRM188R61A475ME15# | D1 |
| | 6.3Vdc | X6S | 4.7μF | ±20% | GRM188C80J475ME15# | D1 |
| | | X5R | 10μF | ±20% | GRM188R60J106ME47# | |
| | | B | 10μF | ±20% | GRM188B30J106ME47# | |
| | 4Vdc | X5R | 10μF | ±20% | GRM188R60G106ME47# | |
| 0.95mm | 25Vdc | X5R | 4.7μF | ±10% | GRM188R61E475KE11# | |
| | | | | ±20% | GRM188R61E475ME11# | |
| | 16Vdc | X6S | 4.7μF | ±10% | GRM188C81C475KE11# | |
| | | | | ±20% | GRM188C81C475ME11# | |
| | | X5R | 4.7μF | ±10% | GRM188R61C475KE11# | |
| | | | | ±20% | GRM188R61C475ME11# | |
| | | | 10μF | ±10% | GRM188R61C106KAAL# | |
| | | | | ±20% | GRM188R61C106MAAL# | |
| | | B | 4.7μF | ±10% | GRM188B31C475KAAJ# | D1 |
| | | | | ±20% | GRM188B31C475MAAJ# | D1 |
| | 10Vdc | X7S | 4.7μF | ±10% | GRM188C71A475KE11# | |
| | | | | ±20% | GRM188C71A475ME11# | |
| | | X5R | 10μF | ±10% | GRM188R61A106KAAL# | |
| | | | | ±20% | GRM188R61A106MAAL# | |
| | | B | 10μF | ±20% | GRM188B31A106ME69# | D1 |
| 1.0mm | 50Vdc | X5R | 2.2μF | ±10% | GRM188R61H225KE11# | |
| | | | | ±20% | GRM188R61H225ME11# | |
| | 35Vdc | X6S | 2.2μF | ±10% | GRM188C8YA225KE11# | |
| | | | | ±20% | GRM188C8YA225ME11# | |
| | | X5R | 4.7μF | ±10% | GRM188R6YA475KE15# | |

Part number # indicates the package specification code.

# GRM Series High Dielectric Constant Type Part Number List

## (→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.0mm | 35Vdc | X5R | 4.7μF | ±20% | GRM188R6YA475ME15# | |
| | 25Vdc | X7S | 2.2μF | ±10% | GRM188C71E225KE11# | |
| | | | | ±20% | GRM188C71E225ME11# | |
| | | X6S | 2.2μF | ±10% | GRM188C81E225KE11# | |
| | | | | ±20% | GRM188C81E225ME11# | |
| | | | 4.7μF | ±10% | GRM188C81E475KE11# | D1 |
| | | | | ±20% | GRM188C81E475ME11# | D1 |
| | | X5R | 10μF | ±20% | GRM188R61E106MA73# | |
| | 16Vdc | X7S | 2.2μF | ±10% | GRM188C71C225KE11# | |
| | | | | ±20% | GRM188C71C225ME11# | |
| | | X6S | 10μF | ±20% | GRM188C81C106MA73# | |
| | 10Vdc | X7T | 10μF | ±20% | GRM188D71A106MA73# | |
| | 6.3Vdc | X7T | 10μF | ±20% | GRM188D70J106MA73# | |
| | | X5R | 22μF | ±20% | GRM188R60J226MEA0# | D1 |
| | | B | 22μF | ±20% | GRM188B30J226MEA0# | D1 |
| | 4Vdc | X6S | 22μF | ±20% | GRM188C80G226MEA0# | D1 |
| | | X5R | 22μF | ±20% | GRM188R60G226MEA0# | |
| | | B | 22μF | ±20% | GRM188B30G226MEA0# | |

## 2.0×1.25mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.7mm | 16Vdc | X6S | 1.0μF | ±10% | GRM216C81C105KA12# | |
| 0.95mm | 50Vdc | X5R | 1.0μF | ±10% | GRM219R61H105KA73# | |
| | | | | ±20% | GRM219R61H105MA73# | |
| | | | 2.2μF | ±10% | GRM219R61H225KE15# | |
| | | | | ±20% | GRM219R61H225ME15# | |
| | | B | 1.0μF | ±10% | GRM219B31H105KA73# | |
| | | | | ±20% | GRM219B31H105MA73# | |
| | | | 2.2μF | ±10% | GRM219B31H225KE15# | |
| | | | | ±20% | GRM219B31H225ME15# | |
| | 35Vdc | X6S | 2.2μF | ±10% | GRM219C8YA225KE15# | |
| | | | | ±20% | GRM219C8YA225ME15# | |
| | | X5R | 4.7μF | ±10% | GRM219R6YA475KA73# | D1 |
| | | | | ±20% | GRM219R6YA475MA73# | D1 |
| | 25Vdc | X7R | 1.0μF | ±10% | GRM219R71E105KA88# | |
| | | X6S | 2.2μF | ±10% | GRM219C81E225KE15# | |
| | | | | ±20% | GRM219C81E225ME15# | |
| | | X5R | 2.2μF | ±10% | GRM219R61E225KA12# | |
| | | | | ±20% | GRM219R61E225MA12# | |
| | | | 4.7μF | ±10% | GRM219R61E475KA73# | |
| | | | | ±20% | GRM219R61E475MA73# | |
| | | | 10μF | ±10% | GRM219R61E106KA12# | D1 |
| | | | | ±20% | GRM219R61E106MA12# | D1 |
| | | B | 2.2μF | ±10% | GRM219B31E225KA75# | |
| | | | | ±20% | GRM219B31E225MA75# | |
| | | | 10μF | ±10% | GRM219B31E106KA12# | D1 |
| | | | | ±20% | GRM219B31E106MA12# | D1 |
| | 16Vdc | X7R | 2.2μF | ±10% | GRM219R71C225KE15# | |
| | | | | ±20% | GRM219R71C225ME15# | |
| | | X5R | 4.7μF | ±10% | GRM219R61C475KE15# | |
| | | | 10μF | ±10% | GRM219R61C106KA73# | |
| | | | | ±20% | GRM219R61C106MA73# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.95mm | 16Vdc | B | 4.7μF | ±10% | GRM219B31C475KE15# | |
| | | | 10μF | ±10% | GRM219B31C106KA73# | |
| | | | | ±20% | GRM219B31C106MA73# | |
| | 10Vdc | X7R | 2.2μF | ±10% | GRM219R71A225KE15# | |
| | | | | ±20% | GRM219R71A225ME15# | |
| | | X7T | 4.7μF | ±10% | GRM219D71A475KE15# | D1 |
| | | | | ±20% | GRM219D71A475ME15# | D1 |
| | | X5R | 22μF | ±20% | GRM219R61A226MEA0# | D1 |
| | | B | 22μF | ±20% | GRM219B31A226MEA0# | D1 |
| | 6.3Vdc | X6S | 10μF | ±10% | GRM219C80J106KE39# | |
| | | | | ±20% | GRM219C80J106ME39# | |
| | | X5R | 22μF | ±20% | GRM219R60J226MEA0# | |
| | | B | 22μF | ±20% | GRM219B30J226ME47# | D1 |
| | 4Vdc | X6S | 10μF | ±10% | GRM219C80G106KE19# | |
| | | | | ±20% | GRM219C80G106ME19# | |
| | | X5R | 47μF | ±20% | GRM219R60G476ME44# | D1 |
| | 2.5Vdc | X6T | 47μF | ±20% | GRM219D80E476ME44# | |
| 1.0mm | 500Vdc | X7R | 1000pF | ±10% | GRM21AR72H102KW10# | |
| | | | 1500pF | ±10% | GRM21AR72H152KW10# | |
| | | | 2200pF | ±10% | GRM21AR72H222KW10# | |
| | | | 3300pF | ±10% | GRM21AR72H332KW10# | |
| | | | 4700pF | ±10% | GRM21AR72H472KW10# | |
| | | | 6800pF | ±10% | GRM21AR72H682KW10# | |
| | 250Vdc | X7R | 1000pF | ±10% | GRM21AR72E102KW01# | |
| | | | 1500pF | ±10% | GRM21AR72E152KW01# | |
| | | | 2200pF | ±10% | GRM21AR72E222KW01# | |
| | | | 3300pF | ±10% | GRM21AR72E332KW01# | |
| | | | 4700pF | ±10% | GRM21AR72E472KW01# | |
| | | | 6800pF | ±10% | GRM21AR72E682KW01# | |
| | 200Vdc | X7R | 1000pF | ±10% | GRM21AR72D102KW01# | |
| | | | 1500pF | ±10% | GRM21AR72D152KW01# | |
| | | | 2200pF | ±10% | GRM21AR72D222KW01# | |
| | | | 3300pF | ±10% | GRM21AR72D332KW01# | |
| | | | 4700pF | ±10% | GRM21AR72D472KW01# | |
| | | | 6800pF | ±10% | GRM21AR72D682KW01# | |
| | 35Vdc | X6S | 4.7μF | ±10% | GRM219C8YA475KE21# | D1 |
| | | | | ±20% | GRM219C8YA475ME21# | D1 |
| | 25Vdc | X7S | 4.7μF | ±10% | GRM219C71E475KE21# | D1 |
| | | | | ±20% | GRM219C71E475ME21# | D1 |
| | | X6S | 4.7μF | ±10% | GRM219C81E475KE21# | D1 |
| | | | | ±20% | GRM219C81E475ME21# | D1 |
| | 16Vdc | X7S | 4.7μF | ±10% | GRM219C71C475KE21# | |
| | | | | ±20% | GRM219C71C475ME21# | |
| | | X5R | 22μF | ±20% | GRM219R61C226ME15# | D1 |
| 1.35mm | 50Vdc | X5R | 1.0μF | ±10% | GRM21BR61H105KA12# | |
| | | B | 1.0μF | ±10% | GRM21BB31H105KA12# | |
| | | | | ±20% | GRM21BB31H105MA12# | |
| | 25Vdc | X6S | 4.7μF | ±10% | GRM21BC81E475KA12# | |
| | | | | ±20% | GRM21BC81E475MA12# | |
| | | X5R | 4.7μF | ±10% | GRM21BR61E475KA12# | |
| | | | | ±20% | GRM21BR61E475MA12# | |
| | | B | 2.2μF | ±10% | GRM21BB31E225KA75# | |
| | | | | ±20% | GRM21BB31E225MA75# | |
| | | | 4.7μF | ±10% | GRM21BB31E475KA75# | |

Part number # indicates the package specification code.

# GRM Series High Dielectric Constant Type Part Number List

## (→ 2.0×1.25mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.35mm | 25Vdc | B | 4.7μF | ±20% | GRM21BB31E475MA75# | |
| | 16Vdc | X7R | 2.2μF | ±10% | GRM21BR71C225KA12# | |
| | | | | ±20% | GRM21BR71C225MA12# | |
| | | X5R | 10μF | ±10% | GRM21BR61C106KE15# | |
| | | | | ±20% | GRM21BR61C106ME15# | |
| | | B | 10μF | ±10% | GRM21BB31C106KE15# | |
| | | | | ±20% | GRM21BB31C106ME15# | |
| 1.4mm | 50Vdc | X5R | 2.2μF | ±10% | GRM21BR61H225KA73# | |
| | | | | ±20% | GRM21BR61H225MA73# | |
| | | | 4.7μF | ±10% | GRM21BR61H475KE51# | |
| | | | | ±20% | GRM21BR61H475ME51# | |
| | | B | 2.2μF | ±10% | GRM21BB31H225KA73# | |
| | | | | ±20% | GRM21BB31H225MA73# | |
| | | | 4.7μF | ±10% | GRM21BB31H475KE51# | |
| | | | | ±20% | GRM21BB31H475ME51# | |
| | 25Vdc | X7R | 1.0μF | ±10% | GRM21BR71E105KA99# | |
| | | | 2.2μF | ±10% | GRM21BR71E225KE11# | |
| | | | | ±20% | GRM21BR71E225ME11# | |
| | | | 4.7μF | ±10% | GRM21BR71E475KA73# | D1 |
| | | | | ±20% | GRM21BR71E475MA73# | D1 |
| | | R | 1.0μF | ±10% | GRM21BR11E105KA99# | |
| | | X5R | 10μF | ±10% | GRM21BR61E106KA73# | |
| | | | | ±20% | GRM21BR61E106MA73# | |
| | | B | 10μF | ±10% | GRM21BB31E106KA73# | |
| | | | | ±20% | GRM21BB31E106MA73# | |
| | 16Vdc | X7R | 4.7μF | ±10% | GRM21BR71C475KA73# | |
| | | | | ±20% | GRM21BR71C475MA73# | |
| | | X6S | 10μF | ±10% | GRM21BC81C106KA73# | |
| | | | | ±20% | GRM21BC81C106MA73# | |
| | 10Vdc | X7R | 4.7μF | ±10% | GRM21BR71A475KA73# | |
| | | | | ±20% | GRM21BR71A475MA73# | |
| | | | 10μF | ±10% | GRM21BR71A106KE51# | |
| | | | | ±20% | GRM21BR71A106ME51# | |
| | | B | 22μF | ±20% | GRM21BB31A226ME51# | D1 |
| | 6.3Vdc | X7R | 10μF | ±10% | GRM21BR70J106KE76# | |
| | | | | ±20% | GRM21BR70J106ME76# | |
| | | X6S | 22μF | ±20% | GRM21BC80J226ME51# | D1 |
| | 4Vdc | X7U | 22μF | ±20% | GRM21BE70G226ME51# | |
| | | X6S | 22μF | ±20% | GRM21BC80G226ME39# | |
| 1.45mm | 500Vdc | X7R | 10000pF | ±10% | GRM21BR72H103KW09# | |
| | 250Vdc | X7R | 10000pF | ±10% | GRM21BR72E103KW03# | |
| | | | 15000pF | ±10% | GRM21BR72E153KW03# | |
| | | | 22000pF | ±10% | GRM21BR72E223KW03# | |
| | 200Vdc | X7R | 10000pF | ±10% | GRM21BR72D103KW03# | |
| | | | 15000pF | ±10% | GRM21BR72D153KW03# | |
| | | | 22000pF | ±10% | GRM21BR72D223KW03# | |
| | 50Vdc | X7S | 4.7μF | ±10% | GRM21BC71H475KE11# | |
| | | | | ±20% | GRM21BC71H475ME11# | |
| | | X6S | 4.7μF | ±10% | GRM21BC81H475KE11# | |
| | | | | ±20% | GRM21BC81H475ME11# | |
| | 35Vdc | X7S | 4.7μF | ±10% | GRM21BC7YA475KE11# | |
| | | | | ±20% | GRM21BC7YA475ME11# | |
| | | X6S | 10μF | ±10% | GRM21BC8YA106KE11# | D1 |
| | | | | ±20% | GRM21BC8YA106ME11# | D1 |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.45mm | 35Vdc | X5R | 10μF | ±10% | GRM21BR6YA106KE43# | D1 |
| | | | | ±20% | GRM21BR6YA106ME43# | D1 |
| | 25Vdc | X7S | 4.7μF | ±10% | GRM21BC71E475KE11# | |
| | | | | ±20% | GRM21BC71E475ME11# | |
| | | | 10μF | ±10% | GRM21BC71E106KE11# | D1 |
| | | | | ±20% | GRM21BC71E106ME11# | D1 |
| | | X6S | 10μF | ±10% | GRM21BC81E106KE11# | D1 |
| | | | | ±20% | GRM21BC81E106ME11# | D1 |
| | | X5R | 22μF | ±20% | GRM21BR61E226ME44# | |
| | 16Vdc | X7S | 10μF | ±10% | GRM21BC71C106KE11# | |
| | | | | ±20% | GRM21BC71C106ME11# | |
| | | X6S | 22μF | ±20% | GRM21BC81C226ME44# | D1 |
| | | X5R | 22μF | ±20% | GRM21BR61C226ME44# | |
| | 10Vdc | X7T | 22μF | ±20% | GRM21BD71A226ME44# | D1 |
| | | X6S | 22μF | ±20% | GRM21BC81A226ME44# | |
| | | X5R | 22μF | ±20% | GRM21BR61A226ME44# | |
| | | | 47μF | ±20% | GRM21BR61A476ME15# | D1 |
| | 6.3Vdc | X7T | 22μF | ±20% | GRM21BD70J226ME44# | |
| | | X5R | 47μF | ±20% | GRM21BR60J476ME15# | D1 |
| | | | 100μF | ±20% | GRM21BR60J107ME15# | D1 |
| | | B | 47μF | ±20% | GRM21BB30J476ME15# | D1 |
| | 4Vdc | X6S | 47μF | ±20% | GRM21BC80G476ME15# | D1 |
| | | | 100μF | ±20% | GRM21BC80G107ME15# | D1 |
| | | X5R | 47μF | ±20% | GRM21BR60G476ME15# | |
| | | B | 47μF | ±20% | GRM21BB30G476ME15# | |
| | 2.5Vdc | X6S | 100μF | ±20% | GRM21BC80E107ME15# | |

## 3.2×1.6mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.95mm | 35Vdc | X5R | 10μF | ±10% | GRM319R6YA106KA12# | D1 |
| | | | | ±20% | GRM319R6YA106MA12# | D1 |
| | 16Vdc | X5R | 10μF | ±10% | GRM319R61C106KE15# | |
| | | | | ±20% | GRM319R61C106ME15# | |
| | | | 22μF | ±20% | GRM319R61C226ME15# | D1 |
| | | B | 10μF | ±10% | GRM319B31C106KE15# | |
| | | | | ±20% | GRM319B31C106ME15# | |
| | | | 22μF | ±20% | GRM319B31C226ME15# | D1 |
| | 10Vdc | X5R | 22μF | ±20% | GRM319R61A226ME15# | |
| | | B | 22μF | ±20% | GRM319B31A226ME15# | |
| | 6.3Vdc | X6S | 22μF | ±20% | GRM319C80J226ME15# | |
| | | X5R | 22μF | ±20% | GRM319R60J226ME15# | |
| | | B | 22μF | ±20% | GRM319B30J226ME15# | |
| 1.0mm | 630Vdc | X7R | 1000pF | ±10% | GRM31AR72J102KW01# | |
| | | | 1500pF | ±10% | GRM31AR72J152KW01# | |
| | | | 2200pF | ±10% | GRM31AR72J222KW01# | |
| | | | 3300pF | ±10% | GRM31AR72J332KW01# | |
| | | | 4700pF | ±10% | GRM31AR72J472KW01# | |
| | | | 6800pF | ±10% | GRM31AR72J682KW01# | |
| | | | 10000pF | ±10% | GRM31AR72J103KW01# | |
| 1.25mm | 1000Vdc | X7R | 470pF | ±10% | GRM31BR73A471KW01# | |
| | | | 680pF | ±10% | GRM31BR73A681KW01# | |
| | | | 1000pF | ±10% | GRM31BR73A102KW01# | |

Part number # indicates the package specification code.

# GRM Series High Dielectric Constant Type Part Number List

## (→ 3.2×1.6mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.25mm | 1000Vdc | X7R | 1500pF | ±10% | GRM31BR73A152KW01# | |
| | | | 2200pF | ±10% | GRM31BR73A222KW01# | |
| | | | 3300pF | ±10% | GRM31BR73A332KW01# | |
| | | | 4700pF | ±10% | GRM31BR73A472KW01# | |
| | 630Vdc | X7R | 6800pF | ±10% | GRM31BR72J682KW01# | |
| | 500Vdc | X7R | 15000pF | ±10% | GRM31BR72H153KW10# | |
| | | | 22000pF | ±10% | GRM31BR72H223KW10# | |
| | 250Vdc | X7R | 15000pF | ±10% | GRM31BR72E153KW01# | |
| | | | 22000pF | ±10% | GRM31BR72E223KW01# | |
| | | | 68000pF | ±10% | GRM31BR72E683KW01# | |
| | 200Vdc | X7R | 15000pF | ±10% | GRM31BR72D153KW01# | |
| | | | 22000pF | ±10% | GRM31BR72D223KW01# | |
| | | | 68000pF | ±10% | GRM31BR72D683KW01# | |
| | 50Vdc | X7R | 1.0μF | ±10% | GRM31MR71H105KA88# | |
| | | B | 1.0μF | ±10% | GRM31MB31H105KA87# | |
| | 25Vdc | X5R | 10μF | ±20% | GRM31MR61E106MA12# | |
| 1.8mm | 1000Vdc | X7R | 6800pF | ±10% | GRM31CR73A682KW03# | |
| | | | 10000pF | ±10% | GRM31CR73A103KW03# | |
| | 630Vdc | X7R | 15000pF | ±10% | GRM31CR72J153KW03# | |
| | | | 22000pF | ±10% | GRM31CR72J223KW03# | |
| | 500Vdc | X7R | 33000pF | ±10% | GRM31CR72H333KW09# | |
| | | | 47000pF | ±10% | GRM31CR72H473KW09# | |
| | 250Vdc | X7R | 33000pF | ±10% | GRM31CR72E333KW03# | |
| | | | 47000pF | ±10% | GRM31CR72E473KW03# | |
| | | | 0.10μF | ±10% | GRM31CR72E104KW03# | |
| | 200Vdc | X7R | 33000pF | ±10% | GRM31CR72D333KW03# | |
| | | | 47000pF | ±10% | GRM31CR72D473KW03# | |
| | | | 0.10μF | ±10% | GRM31CR72D104KW03# | |
| | 100Vdc | X7R | 1.0μF | ±10% | GRM31CR72A105KA01# | |
| | 50Vdc | X7R | 2.2μF | ±10% | GRM31CR71H225KA88# | |
| | | | 4.7μF | ±10% | GRM31CR71H475KA12# | |
| | | | | ±20% | GRM31CR71H475MA12# | |
| | | X5R | 10μF | ±10% | GRM31CR61H106KA12# | |
| | | | | ±20% | GRM31CR61H106MA12# | |
| | | B | 2.2μF | ±10% | GRM31CB31H225KA87# | |
| | | | | ±20% | GRM31CB31H225MA87# | |
| | | | 4.7μF | ±10% | GRM31CB31H475KA12# | |
| | | | | ±20% | GRM31CB31H475MA12# | |
| | | | 10μF | ±10% | GRM31CB31H106KA12# | |
| | | | | ±20% | GRM31CB31H106MA12# | |
| | 25Vdc | X7R | 4.7μF | ±10% | GRM31CR71E475KA88# | |
| | | | 10μF | ±10% | GRM31CR71E106KA12# | |
| | | | | ±20% | GRM31CR71E106MA12# | |
| | | X5R | 22μF | ±20% | GRM31CR61E226ME15# | |
| | | B | 10μF | ±10% | GRM31CB31E106KA75# | |
| | | | 22μF | ±20% | GRM31CB31E226ME15# | |
| | 16Vdc | X7R | 4.7μF | ±20% | GRM31CR71C475MA01# | |
| | | X6S | 22μF | ±20% | GRM31CC81C226ME15# | |
| | | X5R | 22μF | ±20% | GRM31CR61C226ME15# | |
| | | B | 22μF | ±20% | GRM31CB31C226ME15# | |
| | 10Vdc | X7R | 22μF | ±20% | GRM31CR71A226ME15# | |
| | | X5R | 47μF | ±20% | GRM31CR61A476ME15# | |
| | | B | 47μF | ±20% | GRM31CB31A476ME15# | |
| | 6.3Vdc | X7R | 22μF | ±20% | GRM31CR70J226ME19# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.8mm | 6.3Vdc | X7U | 47μF | ±20% | GRM31CE70J476ME15# | D1 |
| | | X6S | 47μF | ±20% | GRM31CC80J476ME18# | |
| | | X5R | 47μF | ±20% | GRM31CR60J476ME19# | |
| | | B | 47μF | ±20% | GRM31CB30J476ME18# | |
| | 4Vdc | X7U | 47μF | ±20% | GRM31CE70G476ME15# | |
| | | X6S | 47μF | ±20% | GRM31CC80G476ME19# | |
| 1.9mm | 100Vdc | X7R | 2.2μF | ±10% | GRM31CR72A225KA73# | |
| | | | | ±20% | GRM31CR72A225MA73# | |
| | 25Vdc | X6S | 22μF | ±20% | GRM31CC81E226ME11# | |
| | 16Vdc | X7S | 22μF | ±20% | GRM31CC71C226ME11# | |
| | | X5R | 47μF | ±20% | GRM31CR61C476ME44# | |
| | 10Vdc | X6S | 47μF | ±20% | GRM31CC81A476ME44# | |
| | 6.3Vdc | X6T | 100μF | ±20% | GRM31CD80J107ME39# | D1 |
| | | X5R | 100μF | ±20% | GRM31CR60J107ME39# | |
| | | | 150μF | ±20% | GRM31CR60J157ME11# | D1 |
| | 4Vdc | X7U | 100μF | ±20% | GRM31CE70G107ME39# | D1 |
| | | X6S | 150μF | ±20% | GRM31CC80G157ME11# | D1 |
| | | X6T | 100μF | ±20% | GRM31CD80G107ME39# | |
| | | X5R | 100μF | ±20% | GRM31CR60G107ME39# | |
| | | | 150μF | ±20% | GRM31CR60G157ME11# | |
| | | | 220μF | ±20% | GRM31CR60G227ME11# | |
| | 2.5Vdc | X6S | 150μF | ±20% | GRM31CC80E157ME11# | |
| | | X5R | 220μF | ±20% | GRM31CR60E227ME11# | |

## 3.2×2.5mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.5mm | 1000Vdc | X7R | 6800pF | ±10% | GRM32QR73A682KW01# | |
| | | | 10000pF | ±10% | GRM32QR73A103KW01# | |
| | 630Vdc | X7R | 22000pF | ±10% | GRM32QR72J223KW01# | |
| | 500Vdc | X7R | 68000pF | ±10% | GRM32QR72H683KW10# | |
| | 250Vdc | X7R | 68000pF | ±10% | GRM32QR72E683KW01# | |
| | | | 0.15μF | ±10% | GRM32QR72E154KW01# | |
| | 200Vdc | X7R | 68000pF | ±10% | GRM32QR72D683KW01# | |
| | | | 0.15μF | ±10% | GRM32QR72D154KW01# | |
| 1.8mm | 100Vdc | X7R | 1.0μF | ±10% | GRM32CR72A105KA35# | |
| | | | | ±20% | GRM32CR72A105MA35# | |
| 2.0mm | 1000Vdc | X7R | 15000pF | ±10% | GRM32DR73A153KW01# | |
| | | | 22000pF | ±10% | GRM32DR73A223KW01# | |
| | 630Vdc | X7R | 33000pF | ±10% | GRM32DR72J333KW01# | |
| | | | 47000pF | ±10% | GRM32DR72J473KW01# | |
| | 500Vdc | X7R | 0.10μF | ±10% | GRM32DR72H104KW10# | |
| | 250Vdc | X7R | 0.10μF | ±10% | GRM32DR72E104KW01# | |
| | | | 0.22μF | ±10% | GRM32DR72E224KW01# | |
| | 200Vdc | X7R | 0.10μF | ±10% | GRM32DR72D104KW01# | |
| | | | 0.22μF | ±10% | GRM32DR72D224KW01# | |
| 2.2mm | 100Vdc | X7S | 4.7μF | ±10% | GRM32DC72A475KE01# | |
| | | | | ±20% | GRM32DC72A475ME01# | |
| | 25Vdc | X7R | 10μF | ±10% | GRM32DR71E106KA12# | |
| 2.7mm | 100Vdc | X7R | 2.2μF | ±10% | GRM32ER72A225KA35# | |
| | | | | ±20% | GRM32ER72A225MA35# | |
| | 80Vdc | X7R | 4.7μF | ±10% | GRM32ER71K475KE14# | D1 |
| | | | | ±20% | GRM32ER71K475ME14# | D1 |

Part number # indicates the package specification code.

# GRM Series High Dielectric Constant Type Part Number List

## (→ 3.2×2.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 2.7mm | 63Vdc | X7R | 10μF | ±10% | GRM32ER71J106KA12# | D1 |
| | | | | ±20% | GRM32ER71J106MA12# | D1 |
| | 50Vdc | X7R | 4.7μF | ±10% | GRM32ER71H475KA88# | |
| | | | 10μF | ±10% | GRM32ER71H106KA12# | |
| | | | | ±20% | GRM32ER71H106MA12# | |
| | | X5R | 10μF | ±10% | GRM32ER61H106KA12# | |
| | | | | ±20% | GRM32ER61H106MA12# | |
| | | B | 10μF | ±10% | GRM32EB31H106KA12# | |
| | | | | ±20% | GRM32EB31H106MA12# | |
| | 35Vdc | X7R | 10μF | ±10% | GRM32ER7YA106KA12# | |
| | | | | ±20% | GRM32ER7YA106MA12# | |
| | | X5R | 10μF | ±10% | GRM32ER6YA106KA12# | |
| | | | | ±20% | GRM32ER6YA106MA12# | |
| | | B | 10μF | ±10% | GRM32EB3YA106KA12# | |
| | | | | ±20% | GRM32EB3YA106MA12# | |
| | 25Vdc | X7R | 22μF | ±20% | GRM32ER71E226ME15# | |
| | | X5R | 22μF | ±20% | GRM32ER61E226ME15# | |
| | | B | 22μF | ±20% | GRM32EB31E226ME15# | |
| | 16Vdc | X7R | 22μF | ±20% | GRM32ER71C226MEA8# | |
| | | X6S | 47μF | ±20% | GRM32EC81C476ME15# | D1 |
| | | X5R | 47μF | ±20% | GRM32ER61C476ME15# | |
| | | B | 47μF | ±20% | GRM32EB31C476ME15# | |
| | 10Vdc | X7R | 47μF | ±20% | GRM32ER71A476ME15# | |
| | | X5R | 47μF | ±20% | GRM32ER61A476ME20# | |
| | | | 100μF | ±20% | GRM32ER61A107ME20# | D1 |
| | | B | 47μF | ±20% | GRM32EB31A476ME20# | |
| | 6.3Vdc | X7R | 47μF | ±20% | GRM32ER70J476ME20# | |
| | | X7U | 100μF | ±20% | GRM32EE70J107ME15# | D1 |
| | | X5R | 100μF | ±20% | GRM32ER60J107ME20# | |
| | | B | 100μF | ±20% | GRM32EB30J107ME16# | |
| | 4Vdc | X7U | 100μF | ±20% | GRM32EE70G107ME19# | |

## 4.5×3.2mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.5mm | 630Vdc | X7R | 68000pF | ±10% | GRM43QR72J683KW01# | |
| | 500Vdc | X7R | 0.15μF | ±10% | GRM43QR72H154KW10# | |
| | 250Vdc | X7R | 0.15μF | ±10% | GRM43QR72E154KW01# | |
| | 200Vdc | X7R | 0.15μF | ±10% | GRM43QR72D154KW01# | |
| 2.0mm | 1000Vdc | X7R | 33000pF | ±10% | GRM43DR73A333KW01# | |
| | | | 47000pF | ±10% | GRM43DR73A473KW01# | |
| | 630Vdc | X7R | 0.10μF | ±10% | GRM43DR72J104KW01# | |
| | 500Vdc | X7R | 0.22μF | ±10% | GRM43DR72H224KW10# | |
| | 250Vdc | X7R | 0.22μF | ±10% | GRM43DR72E224KW01# | |
| | | | 0.33μF | ±10% | GRM43DR72E334KW01# | |
| | | | 0.47μF | ±10% | GRM43DR72E474KW01# | |
| | 200Vdc | X7R | 0.22μF | ±10% | GRM43DR72D224KW01# | |
| | | | 0.33μF | ±10% | GRM43DR72D334KW01# | |
| | | | 0.47μF | ±10% | GRM43DR72D474KW01# | |

## 5.7×5.0mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 2.0mm | 1000Vdc | X7R | 68000pF | ±10% | GRM55DR73A683KW01# | |
| | | | 0.10μF | ±10% | GRM55DR73A104KW01# | |
| | 630Vdc | X7R | 0.15μF | ±10% | GRM55DR72J154KW01# | |
| | | | 0.22μF | ±10% | GRM55DR72J224KW01# | |
| | 500Vdc | X7R | 0.33μF | ±10% | GRM55DR72H334KW10# | |
| | | | 0.47μF | ±10% | GRM55DR72H474KW10# | |
| | 250Vdc | X7R | 0.33μF | ±10% | GRM55DR72E334KW01# | |
| | | | 0.47μF | ±10% | GRM55DR72E474KW01# | |
| | | | 0.68μF | ±10% | GRM55DR72E684KW01# | |
| | | | 1.0μF | ±10% | GRM55DR72E105KW01# | |
| | 200Vdc | X7R | 0.33μF | ±10% | GRM55DR72D334KW01# | |
| | | | 0.47μF | ±10% | GRM55DR72D474KW01# | |
| | | | 0.68μF | ±10% | GRM55DR72D684KW01# | |
| | | | 1.0μF | ±10% | GRM55DR72D105KW01# | |

Part number # indicates the package specification code.

High Q Monolithic Ceramic Capacitor for High Frequency

# GJM Series

High Q

WEB

**This product improves the high frequency characteristics and contributes to a reduction of power consumption by the High Q and low ESR.**

## Features

### ① Mainly ideal for mobile communication devices and temperature compensation of related modules.

This product is ideal for temperature compensation of high frequency circuits, such as resonant circuits, tuning circuits, and impedance matching circuits where the operating characteristics of the device are greatly affected by the capacitance fluctuation.

<Example of Structure>

### ② High Q and low ESR in VHF, UHF and microwave frequency bands.

High Q and low ESR were achieved at a high frequency by adopting ceramic material as the dielectric material which enables an extremely low loss at high frequency, and base metal electrodes as the internal electrodes.

<Comparison between ESR - Frequency Characteristics>

<Comparison between Q - Frequency Characteristics>

### ③ Can be used for tight tolerance.

In addition to standard tolerance, the allowable range of this product is also suitable for the following tight tolerance.

| Capacitance Range | Standard Capacitance Tolerance (Capacitance Tolerance Symbol) | Narrow Capacitance Tolerance (Capacitance Tolerance Symbol) |
|---|---|---|
| to 0.9pF | ±0.1pF (B) | ±0.05pF (W) |
| 1.0 to 5.0pF | ±0.25pF (C) | ±0.05pF (W), ±0.1pF (B) |
| 5.1 to 9.9pF | ±0.5pF (D) | ±0.05pF (W), ±0.1pF (B), ±0.25pF (C) |
| 10pF to | ±5% (J) | ±2% (G) |

## Specifications

| | |
|---|---|
| Size (mm) | 0.4×0.2mm to 1.0×0.5mm |
| Rated Voltage | 6.3Vdc to 50Vdc |
| Capacitance | 0.10pF to 47pF |
| Main Applications | Small communication devices, such as mobile phones and high frequency communication modules |

<Dimensions>

This catalog contains only a portion of the product lineup.
Please refer to the capacitor search tool on the Murata Web site for details.

# GJM Series Temperature Compensating Type High Q Part Number List

## 0.4×0.2mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 25Vdc | C0G | 0.20pF | ±0.05pF | **GJM0225C1ER20WB01#** | |
| | | | | ±0.1pF | **GJM0225C1ER20BB01#** | |
| | | | 0.30pF | ±0.05pF | **GJM0225C1ER30WB01#** | |
| | | | | ±0.1pF | **GJM0225C1ER30BB01#** | |
| | | | 0.40pF | ±0.05pF | **GJM0225C1ER40WB01#** | |
| | | | | ±0.1pF | **GJM0225C1ER40BB01#** | |
| | | | 0.50pF | ±0.05pF | **GJM0225C1ER50WB01#** | |
| | | | | ±0.1pF | **GJM0225C1ER50BB01#** | |
| | | | 0.60pF | ±0.05pF | **GJM0225C1ER60WB01#** | |
| | | | | ±0.1pF | **GJM0225C1ER60BB01#** | |
| | | | 0.70pF | ±0.05pF | **GJM0225C1ER70WB01#** | |
| | | | | ±0.1pF | **GJM0225C1ER70BB01#** | |
| | | | 0.80pF | ±0.05pF | **GJM0225C1ER80WB01#** | |
| | | | | ±0.1pF | **GJM0225C1ER80BB01#** | |
| | | | 0.90pF | ±0.05pF | **GJM0225C1ER90WB01#** | |
| | | | | ±0.1pF | **GJM0225C1ER90BB01#** | |
| | | | 1.0pF | ±0.05pF | **GJM0225C1E1R0WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E1R0BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E1R0CB01#** | |
| | | | 1.1pF | ±0.05pF | **GJM0225C1E1R1WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E1R1BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E1R1CB01#** | |
| | | | 1.2pF | ±0.05pF | **GJM0225C1E1R2WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E1R2BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E1R2CB01#** | |
| | | | 1.3pF | ±0.05pF | **GJM0225C1E1R3WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E1R3BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E1R3CB01#** | |
| | | | 1.4pF | ±0.05pF | **GJM0225C1E1R4WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E1R4BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E1R4CB01#** | |
| | | | 1.5pF | ±0.05pF | **GJM0225C1E1R5WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E1R5BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E1R5CB01#** | |
| | | | 1.6pF | ±0.05pF | **GJM0225C1E1R6WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E1R6BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E1R6CB01#** | |
| | | | 1.7pF | ±0.05pF | **GJM0225C1E1R7WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E1R7BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E1R7CB01#** | |
| | | | 1.8pF | ±0.05pF | **GJM0225C1E1R8WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E1R8BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E1R8CB01#** | |
| | | | 1.9pF | ±0.05pF | **GJM0225C1E1R9WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E1R9BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E1R9CB01#** | |
| | | | 2.0pF | ±0.05pF | **GJM0225C1E2R0WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E2R0BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E2R0CB01#** | |
| | | | 2.1pF | ±0.05pF | **GJM0225C1E2R1WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E2R1BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E2R1CB01#** | |
| 0.22mm | 25Vdc | C0G | 2.2pF | ±0.05pF | **GJM0225C1E2R2WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E2R2BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E2R2CB01#** | |
| | | | 2.3pF | ±0.05pF | **GJM0225C1E2R3WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E2R3BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E2R3CB01#** | |
| | | | 2.4pF | ±0.05pF | **GJM0225C1E2R4WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E2R4BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E2R4CB01#** | |
| | | | 2.5pF | ±0.05pF | **GJM0225C1E2R5WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E2R5BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E2R5CB01#** | |
| | | | 2.6pF | ±0.05pF | **GJM0225C1E2R6WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E2R6BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E2R6CB01#** | |
| | | | 2.7pF | ±0.05pF | **GJM0225C1E2R7WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E2R7BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E2R7CB01#** | |
| | | | 2.8pF | ±0.05pF | **GJM0225C1E2R8WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E2R8BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E2R8CB01#** | |
| | | | 2.9pF | ±0.05pF | **GJM0225C1E2R9WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E2R9BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E2R9CB01#** | |
| | | | 3.0pF | ±0.05pF | **GJM0225C1E3R0WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E3R0BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E3R0CB01#** | |
| | | | 3.1pF | ±0.05pF | **GJM0225C1E3R1WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E3R1BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E3R1CB01#** | |
| | | | 3.2pF | ±0.05pF | **GJM0225C1E3R2WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E3R2BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E3R2CB01#** | |
| | | | 3.3pF | ±0.05pF | **GJM0225C1E3R3WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E3R3BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E3R3CB01#** | |
| | | | 3.4pF | ±0.05pF | **GJM0225C1E3R4WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E3R4BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E3R4CB01#** | |
| | | | 3.5pF | ±0.05pF | **GJM0225C1E3R5WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E3R5BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E3R5CB01#** | |
| | | | 3.6pF | ±0.05pF | **GJM0225C1E3R6WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E3R6BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E3R6CB01#** | |
| | | | 3.7pF | ±0.05pF | **GJM0225C1E3R7WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E3R7BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E3R7CB01#** | |
| | | | 3.8pF | ±0.05pF | **GJM0225C1E3R8WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E3R8BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E3R8CB01#** | |
| | | | 3.9pF | ±0.05pF | **GJM0225C1E3R9WB01#** | |
| | | | | ±0.1pF | **GJM0225C1E3R9BB01#** | |
| | | | | ±0.25pF | **GJM0225C1E3R9CB01#** | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 0.4×0.2mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 25Vdc | C0G | 4.0pF | ±0.05pF | GJM0225C1E4R0WB01# | |
| | | | | ±0.1pF | GJM0225C1E4R0BB01# | |
| | | | | ±0.25pF | GJM0225C1E4R0CB01# | |
| | | | 4.1pF | ±0.05pF | GJM0225C1E4R1WB01# | |
| | | | | ±0.1pF | GJM0225C1E4R1BB01# | |
| | | | | ±0.25pF | GJM0225C1E4R1CB01# | |
| | | | 4.2pF | ±0.05pF | GJM0225C1E4R2WB01# | |
| | | | | ±0.1pF | GJM0225C1E4R2BB01# | |
| | | | | ±0.25pF | GJM0225C1E4R2CB01# | |
| | | | 4.3pF | ±0.05pF | GJM0225C1E4R3WB01# | |
| | | | | ±0.1pF | GJM0225C1E4R3BB01# | |
| | | | | ±0.25pF | GJM0225C1E4R3CB01# | |
| | | | 4.4pF | ±0.05pF | GJM0225C1E4R4WB01# | |
| | | | | ±0.1pF | GJM0225C1E4R4BB01# | |
| | | | | ±0.25pF | GJM0225C1E4R4CB01# | |
| | | | 4.5pF | ±0.05pF | GJM0225C1E4R5WB01# | |
| | | | | ±0.1pF | GJM0225C1E4R5BB01# | |
| | | | | ±0.25pF | GJM0225C1E4R5CB01# | |
| | | | 4.6pF | ±0.05pF | GJM0225C1E4R6WB01# | |
| | | | | ±0.1pF | GJM0225C1E4R6BB01# | |
| | | | | ±0.25pF | GJM0225C1E4R6CB01# | |
| | | | 4.7pF | ±0.05pF | GJM0225C1E4R7WB01# | |
| | | | | ±0.1pF | GJM0225C1E4R7BB01# | |
| | | | | ±0.25pF | GJM0225C1E4R7CB01# | |
| | | | 4.8pF | ±0.05pF | GJM0225C1E4R8WB01# | |
| | | | | ±0.1pF | GJM0225C1E4R8BB01# | |
| | | | | ±0.25pF | GJM0225C1E4R8CB01# | |
| | | | 4.9pF | ±0.05pF | GJM0225C1E4R9WB01# | |
| | | | | ±0.1pF | GJM0225C1E4R9BB01# | |
| | | | | ±0.25pF | GJM0225C1E4R9CB01# | |
| | | | 5.0pF | ±0.05pF | GJM0225C1E5R0WB01# | |
| | | | | ±0.1pF | GJM0225C1E5R0BB01# | |
| | | | | ±0.25pF | GJM0225C1E5R0CB01# | |
| | | | 5.1pF | ±0.05pF | GJM0225C1E5R1WB01# | |
| | | | | ±0.1pF | GJM0225C1E5R1BB01# | |
| | | | | ±0.25pF | GJM0225C1E5R1CB01# | |
| | | | | ±0.5pF | GJM0225C1E5R1DB01# | |
| | | | 5.2pF | ±0.05pF | GJM0225C1E5R2WB01# | |
| | | | | ±0.1pF | GJM0225C1E5R2BB01# | |
| | | | | ±0.25pF | GJM0225C1E5R2CB01# | |
| | | | | ±0.5pF | GJM0225C1E5R2DB01# | |
| | | | 5.3pF | ±0.05pF | GJM0225C1E5R3WB01# | |
| | | | | ±0.1pF | GJM0225C1E5R3BB01# | |
| | | | | ±0.25pF | GJM0225C1E5R3CB01# | |
| | | | | ±0.5pF | GJM0225C1E5R3DB01# | |
| | | | 5.4pF | ±0.05pF | GJM0225C1E5R4WB01# | |
| | | | | ±0.1pF | GJM0225C1E5R4BB01# | |
| | | | | ±0.25pF | GJM0225C1E5R4CB01# | |
| | | | | ±0.5pF | GJM0225C1E5R4DB01# | |
| | | | 5.5pF | ±0.05pF | GJM0225C1E5R5WB01# | |
| | | | | ±0.1pF | GJM0225C1E5R5BB01# | |
| | | | | ±0.25pF | GJM0225C1E5R5CB01# | |
| | | | | ±0.5pF | GJM0225C1E5R5DB01# | |
| | | | 5.6pF | ±0.05pF | GJM0225C1E5R6WB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 25Vdc | C0G | 5.6pF | ±0.1pF | GJM0225C1E5R6BB01# | |
| | | | | ±0.25pF | GJM0225C1E5R6CB01# | |
| | | | | ±0.5pF | GJM0225C1E5R6DB01# | |
| | | | 5.7pF | ±0.05pF | GJM0225C1E5R7WB01# | |
| | | | | ±0.1pF | GJM0225C1E5R7BB01# | |
| | | | | ±0.25pF | GJM0225C1E5R7CB01# | |
| | | | | ±0.5pF | GJM0225C1E5R7DB01# | |
| | | | 5.8pF | ±0.05pF | GJM0225C1E5R8WB01# | |
| | | | | ±0.1pF | GJM0225C1E5R8BB01# | |
| | | | | ±0.25pF | GJM0225C1E5R8CB01# | |
| | | | | ±0.5pF | GJM0225C1E5R8DB01# | |
| | | | 5.9pF | ±0.05pF | GJM0225C1E5R9WB01# | |
| | | | | ±0.1pF | GJM0225C1E5R9BB01# | |
| | | | | ±0.25pF | GJM0225C1E5R9CB01# | |
| | | | | ±0.5pF | GJM0225C1E5R9DB01# | |
| | | | 6.0pF | ±0.05pF | GJM0225C1E6R0WB01# | |
| | | | | ±0.1pF | GJM0225C1E6R0BB01# | |
| | | | | ±0.25pF | GJM0225C1E6R0CB01# | |
| | | | | ±0.5pF | GJM0225C1E6R0DB01# | |
| | | | 6.1pF | ±0.05pF | GJM0225C1E6R1WB01# | |
| | | | | ±0.1pF | GJM0225C1E6R1BB01# | |
| | | | | ±0.25pF | GJM0225C1E6R1CB01# | |
| | | | | ±0.5pF | GJM0225C1E6R1DB01# | |
| | | | 6.2pF | ±0.05pF | GJM0225C1E6R2WB01# | |
| | | | | ±0.1pF | GJM0225C1E6R2BB01# | |
| | | | | ±0.25pF | GJM0225C1E6R2CB01# | |
| | | | | ±0.5pF | GJM0225C1E6R2DB01# | |
| | | | 6.3pF | ±0.05pF | GJM0225C1E6R3WB01# | |
| | | | | ±0.1pF | GJM0225C1E6R3BB01# | |
| | | | | ±0.25pF | GJM0225C1E6R3CB01# | |
| | | | | ±0.5pF | GJM0225C1E6R3DB01# | |
| | | | 6.4pF | ±0.05pF | GJM0225C1E6R4WB01# | |
| | | | | ±0.1pF | GJM0225C1E6R4BB01# | |
| | | | | ±0.25pF | GJM0225C1E6R4CB01# | |
| | | | | ±0.5pF | GJM0225C1E6R4DB01# | |
| | | | 6.5pF | ±0.05pF | GJM0225C1E6R5WB01# | |
| | | | | ±0.1pF | GJM0225C1E6R5BB01# | |
| | | | | ±0.25pF | GJM0225C1E6R5CB01# | |
| | | | | ±0.5pF | GJM0225C1E6R5DB01# | |
| | | | 6.6pF | ±0.05pF | GJM0225C1E6R6WB01# | |
| | | | | ±0.1pF | GJM0225C1E6R6BB01# | |
| | | | | ±0.25pF | GJM0225C1E6R6CB01# | |
| | | | | ±0.5pF | GJM0225C1E6R6DB01# | |
| | | | 6.7pF | ±0.05pF | GJM0225C1E6R7WB01# | |
| | | | | ±0.1pF | GJM0225C1E6R7BB01# | |
| | | | | ±0.25pF | GJM0225C1E6R7CB01# | |
| | | | | ±0.5pF | GJM0225C1E6R7DB01# | |
| | | | 6.8pF | ±0.05pF | GJM0225C1E6R8WB01# | |
| | | | | ±0.1pF | GJM0225C1E6R8BB01# | |
| | | | | ±0.25pF | GJM0225C1E6R8CB01# | |
| | | | | ±0.5pF | GJM0225C1E6R8DB01# | |
| | | | 6.9pF | ±0.05pF | GJM0225C1E6R9WB01# | |
| | | | | ±0.1pF | GJM0225C1E6R9BB01# | |
| | | | | ±0.25pF | GJM0225C1E6R9CB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 0.4×0.2mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 25Vdc | C0G | 6.9pF | ±0.5pF | GJM0225C1E6R9DB01# | |
| | | | 7.0pF | ±0.05pF | GJM0225C1E7R0WB01# | |
| | | | | ±0.1pF | GJM0225C1E7R0BB01# | |
| | | | | ±0.25pF | GJM0225C1E7R0CB01# | |
| | | | | ±0.5pF | GJM0225C1E7R0DB01# | |
| | | | 7.1pF | ±0.05pF | GJM0225C1E7R1WB01# | |
| | | | | ±0.1pF | GJM0225C1E7R1BB01# | |
| | | | | ±0.25pF | GJM0225C1E7R1CB01# | |
| | | | | ±0.5pF | GJM0225C1E7R1DB01# | |
| | | | 7.2pF | ±0.05pF | GJM0225C1E7R2WB01# | |
| | | | | ±0.1pF | GJM0225C1E7R2BB01# | |
| | | | | ±0.25pF | GJM0225C1E7R2CB01# | |
| | | | | ±0.5pF | GJM0225C1E7R2DB01# | |
| | | | 7.3pF | ±0.05pF | GJM0225C1E7R3WB01# | |
| | | | | ±0.1pF | GJM0225C1E7R3BB01# | |
| | | | | ±0.25pF | GJM0225C1E7R3CB01# | |
| | | | | ±0.5pF | GJM0225C1E7R3DB01# | |
| | | | 7.4pF | ±0.05pF | GJM0225C1E7R4WB01# | |
| | | | | ±0.1pF | GJM0225C1E7R4BB01# | |
| | | | | ±0.25pF | GJM0225C1E7R4CB01# | |
| | | | | ±0.5pF | GJM0225C1E7R4DB01# | |
| | | | 7.5pF | ±0.05pF | GJM0225C1E7R5WB01# | |
| | | | | ±0.1pF | GJM0225C1E7R5BB01# | |
| | | | | ±0.25pF | GJM0225C1E7R5CB01# | |
| | | | | ±0.5pF | GJM0225C1E7R5DB01# | |
| | | | 7.6pF | ±0.05pF | GJM0225C1E7R6WB01# | |
| | | | | ±0.1pF | GJM0225C1E7R6BB01# | |
| | | | | ±0.25pF | GJM0225C1E7R6CB01# | |
| | | | | ±0.5pF | GJM0225C1E7R6DB01# | |
| | | | 7.7pF | ±0.05pF | GJM0225C1E7R7WB01# | |
| | | | | ±0.1pF | GJM0225C1E7R7BB01# | |
| | | | | ±0.25pF | GJM0225C1E7R7CB01# | |
| | | | | ±0.5pF | GJM0225C1E7R7DB01# | |
| | | | 7.8pF | ±0.05pF | GJM0225C1E7R8WB01# | |
| | | | | ±0.1pF | GJM0225C1E7R8BB01# | |
| | | | | ±0.25pF | GJM0225C1E7R8CB01# | |
| | | | | ±0.5pF | GJM0225C1E7R8DB01# | |
| | | | 7.9pF | ±0.05pF | GJM0225C1E7R9WB01# | |
| | | | | ±0.1pF | GJM0225C1E7R9BB01# | |
| | | | | ±0.25pF | GJM0225C1E7R9CB01# | |
| | | | | ±0.5pF | GJM0225C1E7R9DB01# | |
| | | | 8.0pF | ±0.05pF | GJM0225C1E8R0WB01# | |
| | | | | ±0.1pF | GJM0225C1E8R0BB01# | |
| | | | | ±0.25pF | GJM0225C1E8R0CB01# | |
| | | | | ±0.5pF | GJM0225C1E8R0DB01# | |
| | | | 8.1pF | ±0.05pF | GJM0225C1E8R1WB01# | |
| | | | | ±0.1pF | GJM0225C1E8R1BB01# | |
| | | | | ±0.25pF | GJM0225C1E8R1CB01# | |
| | | | | ±0.5pF | GJM0225C1E8R1DB01# | |
| | | | 8.2pF | ±0.05pF | GJM0225C1E8R2WB01# | |
| | | | | ±0.1pF | GJM0225C1E8R2BB01# | |
| | | | | ±0.25pF | GJM0225C1E8R2CB01# | |
| | | | | ±0.5pF | GJM0225C1E8R2DB01# | |
| | | | 8.3pF | ±0.05pF | GJM0225C1E8R3WB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 25Vdc | C0G | 8.3pF | ±0.1pF | GJM0225C1E8R3BB01# | |
| | | | | ±0.25pF | GJM0225C1E8R3CB01# | |
| | | | | ±0.5pF | GJM0225C1E8R3DB01# | |
| | | | 8.4pF | ±0.05pF | GJM0225C1E8R4WB01# | |
| | | | | ±0.1pF | GJM0225C1E8R4BB01# | |
| | | | | ±0.25pF | GJM0225C1E8R4CB01# | |
| | | | | ±0.5pF | GJM0225C1E8R4DB01# | |
| | | | 8.5pF | ±0.05pF | GJM0225C1E8R5WB01# | |
| | | | | ±0.1pF | GJM0225C1E8R5BB01# | |
| | | | | ±0.25pF | GJM0225C1E8R5CB01# | |
| | | | | ±0.5pF | GJM0225C1E8R5DB01# | |
| | | | 8.6pF | ±0.05pF | GJM0225C1E8R6WB01# | |
| | | | | ±0.1pF | GJM0225C1E8R6BB01# | |
| | | | | ±0.25pF | GJM0225C1E8R6CB01# | |
| | | | | ±0.5pF | GJM0225C1E8R6DB01# | |
| | | | 8.7pF | ±0.05pF | GJM0225C1E8R7WB01# | |
| | | | | ±0.1pF | GJM0225C1E8R7BB01# | |
| | | | | ±0.25pF | GJM0225C1E8R7CB01# | |
| | | | | ±0.5pF | GJM0225C1E8R7DB01# | |
| | | | 8.8pF | ±0.05pF | GJM0225C1E8R8WB01# | |
| | | | | ±0.1pF | GJM0225C1E8R8BB01# | |
| | | | | ±0.25pF | GJM0225C1E8R8CB01# | |
| | | | | ±0.5pF | GJM0225C1E8R8DB01# | |
| | | | 8.9pF | ±0.05pF | GJM0225C1E8R9WB01# | |
| | | | | ±0.1pF | GJM0225C1E8R9BB01# | |
| | | | | ±0.25pF | GJM0225C1E8R9CB01# | |
| | | | | ±0.5pF | GJM0225C1E8R9DB01# | |
| | | | 9.0pF | ±0.05pF | GJM0225C1E9R0WB01# | |
| | | | | ±0.1pF | GJM0225C1E9R0BB01# | |
| | | | | ±0.25pF | GJM0225C1E9R0CB01# | |
| | | | | ±0.5pF | GJM0225C1E9R0DB01# | |
| | | | 9.1pF | ±0.05pF | GJM0225C1E9R1WB01# | |
| | | | | ±0.1pF | GJM0225C1E9R1BB01# | |
| | | | | ±0.25pF | GJM0225C1E9R1CB01# | |
| | | | | ±0.5pF | GJM0225C1E9R1DB01# | |
| | | | 9.2pF | ±0.05pF | GJM0225C1E9R2WB01# | |
| | | | | ±0.1pF | GJM0225C1E9R2BB01# | |
| | | | | ±0.25pF | GJM0225C1E9R2CB01# | |
| | | | | ±0.5pF | GJM0225C1E9R2DB01# | |
| | | | 9.3pF | ±0.05pF | GJM0225C1E9R3WB01# | |
| | | | | ±0.1pF | GJM0225C1E9R3BB01# | |
| | | | | ±0.25pF | GJM0225C1E9R3CB01# | |
| | | | | ±0.5pF | GJM0225C1E9R3DB01# | |
| | | | 9.4pF | ±0.05pF | GJM0225C1E9R4WB01# | |
| | | | | ±0.1pF | GJM0225C1E9R4BB01# | |
| | | | | ±0.25pF | GJM0225C1E9R4CB01# | |
| | | | | ±0.5pF | GJM0225C1E9R4DB01# | |
| | | | 9.5pF | ±0.05pF | GJM0225C1E9R5WB01# | |
| | | | | ±0.1pF | GJM0225C1E9R5BB01# | |
| | | | | ±0.25pF | GJM0225C1E9R5CB01# | |
| | | | | ±0.5pF | GJM0225C1E9R5DB01# | |
| | | | 9.6pF | ±0.05pF | GJM0225C1E9R6WB01# | |
| | | | | ±0.1pF | GJM0225C1E9R6BB01# | |
| | | | | ±0.25pF | GJM0225C1E9R6CB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 0.4×0.2mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 25Vdc | C0G | 9.6pF | ±0.5pF | GJM0225C1E9R6DB01# | |
| | | | 9.7pF | ±0.05pF | GJM0225C1E9R7WB01# | |
| | | | | ±0.1pF | GJM0225C1E9R7BB01# | |
| | | | | ±0.25pF | GJM0225C1E9R7CB01# | |
| | | | | ±0.5pF | GJM0225C1E9R7DB01# | |
| | | | 9.8pF | ±0.05pF | GJM0225C1E9R8WB01# | |
| | | | | ±0.1pF | GJM0225C1E9R8BB01# | |
| | | | | ±0.25pF | GJM0225C1E9R8CB01# | |
| | | | | ±0.5pF | GJM0225C1E9R8DB01# | |
| | | | 9.9pF | ±0.05pF | GJM0225C1E9R9WB01# | |
| | | | | ±0.1pF | GJM0225C1E9R9BB01# | |
| | | | | ±0.25pF | GJM0225C1E9R9CB01# | |
| | | | | ±0.5pF | GJM0225C1E9R9DB01# | |
| | | | 10pF | ±2% | GJM0225C1E100GB01# | |
| | | | | ±5% | GJM0225C1E100JB01# | |
| | | | 11pF | ±2% | GJM0225C1E110GB01# | |
| | | | | ±5% | GJM0225C1E110JB01# | |
| | | | 12pF | ±2% | GJM0225C1E120GB01# | |
| | | | | ±5% | GJM0225C1E120JB01# | |
| | | | 13pF | ±2% | GJM0225C1E130GB01# | |
| | | | | ±5% | GJM0225C1E130JB01# | |
| | | | 15pF | ±2% | GJM0225C1E150GB01# | |
| | | | | ±5% | GJM0225C1E150JB01# | |
| | | | 16pF | ±2% | GJM0225C1E160GB01# | |
| | | | | ±5% | GJM0225C1E160JB01# | |
| | | | 18pF | ±2% | GJM0225C1E180GB01# | |
| | | | | ±5% | GJM0225C1E180JB01# | |
| | | | 20pF | ±2% | GJM0225C1E200GB01# | |
| | | | | ±5% | GJM0225C1E200JB01# | |
| | | | 22pF | ±2% | GJM0225C1E220GB01# | |
| | | | | ±5% | GJM0225C1E220JB01# | |
| | | CK | 0.20pF | ±0.05pF | GJM0224C1ER20WB01# | |
| | | | | ±0.1pF | GJM0224C1ER20BB01# | |
| | | | 0.30pF | ±0.05pF | GJM0224C1ER30WB01# | |
| | | | | ±0.1pF | GJM0224C1ER30BB01# | |
| | | | 0.40pF | ±0.05pF | GJM0224C1ER40WB01# | |
| | | | | ±0.1pF | GJM0224C1ER40BB01# | |
| | | | 0.50pF | ±0.05pF | GJM0224C1ER50WB01# | |
| | | | | ±0.1pF | GJM0224C1ER50BB01# | |
| | | | 0.60pF | ±0.05pF | GJM0224C1ER60WB01# | |
| | | | | ±0.1pF | GJM0224C1ER60BB01# | |
| | | | 0.70pF | ±0.05pF | GJM0224C1ER70WB01# | |
| | | | | ±0.1pF | GJM0224C1ER70BB01# | |
| | | | 0.80pF | ±0.05pF | GJM0224C1ER80WB01# | |
| | | | | ±0.1pF | GJM0224C1ER80BB01# | |
| | | | 0.90pF | ±0.05pF | GJM0224C1ER90WB01# | |
| | | | | ±0.1pF | GJM0224C1ER90BB01# | |
| | | | 1.0pF | ±0.05pF | GJM0224C1E1R0WB01# | |
| | | | | ±0.1pF | GJM0224C1E1R0BB01# | |
| | | | | ±0.25pF | GJM0224C1E1R0CB01# | |
| | | | 1.1pF | ±0.05pF | GJM0224C1E1R1WB01# | |
| | | | | ±0.1pF | GJM0224C1E1R1BB01# | |
| | | | | ±0.25pF | GJM0224C1E1R1CB01# | |
| | | | 1.2pF | ±0.05pF | GJM0224C1E1R2WB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 25Vdc | CK | 1.2pF | ±0.1pF | GJM0224C1E1R2BB01# | |
| | | | | ±0.25pF | GJM0224C1E1R2CB01# | |
| | | | 1.3pF | ±0.05pF | GJM0224C1E1R3WB01# | |
| | | | | ±0.1pF | GJM0224C1E1R3BB01# | |
| | | | | ±0.25pF | GJM0224C1E1R3CB01# | |
| | | | 1.4pF | ±0.05pF | GJM0224C1E1R4WB01# | |
| | | | | ±0.1pF | GJM0224C1E1R4BB01# | |
| | | | | ±0.25pF | GJM0224C1E1R4CB01# | |
| | | | 1.5pF | ±0.05pF | GJM0224C1E1R5WB01# | |
| | | | | ±0.1pF | GJM0224C1E1R5BB01# | |
| | | | | ±0.25pF | GJM0224C1E1R5CB01# | |
| | | | 1.6pF | ±0.05pF | GJM0224C1E1R6WB01# | |
| | | | | ±0.1pF | GJM0224C1E1R6BB01# | |
| | | | | ±0.25pF | GJM0224C1E1R6CB01# | |
| | | | 1.7pF | ±0.05pF | GJM0224C1E1R7WB01# | |
| | | | | ±0.1pF | GJM0224C1E1R7BB01# | |
| | | | | ±0.25pF | GJM0224C1E1R7CB01# | |
| | | | 1.8pF | ±0.05pF | GJM0224C1E1R8WB01# | |
| | | | | ±0.1pF | GJM0224C1E1R8BB01# | |
| | | | | ±0.25pF | GJM0224C1E1R8CB01# | |
| | | | 1.9pF | ±0.05pF | GJM0224C1E1R9WB01# | |
| | | | | ±0.1pF | GJM0224C1E1R9BB01# | |
| | | | | ±0.25pF | GJM0224C1E1R9CB01# | |
| | | | 2.0pF | ±0.05pF | GJM0224C1E2R0WB01# | |
| | | | | ±0.1pF | GJM0224C1E2R0BB01# | |
| | | | | ±0.25pF | GJM0224C1E2R0CB01# | |
| | | CJ | 2.1pF | ±0.05pF | GJM0223C1E2R1WB01# | |
| | | | | ±0.1pF | GJM0223C1E2R1BB01# | |
| | | | | ±0.25pF | GJM0223C1E2R1CB01# | |
| | | | 2.2pF | ±0.05pF | GJM0223C1E2R2WB01# | |
| | | | | ±0.1pF | GJM0223C1E2R2BB01# | |
| | | | | ±0.25pF | GJM0223C1E2R2CB01# | |
| | | | 2.3pF | ±0.05pF | GJM0223C1E2R3WB01# | |
| | | | | ±0.1pF | GJM0223C1E2R3BB01# | |
| | | | | ±0.25pF | GJM0223C1E2R3CB01# | |
| | | | 2.4pF | ±0.05pF | GJM0223C1E2R4WB01# | |
| | | | | ±0.1pF | GJM0223C1E2R4BB01# | |
| | | | | ±0.25pF | GJM0223C1E2R4CB01# | |
| | | | 2.5pF | ±0.05pF | GJM0223C1E2R5WB01# | |
| | | | | ±0.1pF | GJM0223C1E2R5BB01# | |
| | | | | ±0.25pF | GJM0223C1E2R5CB01# | |
| | | | 2.6pF | ±0.05pF | GJM0223C1E2R6WB01# | |
| | | | | ±0.1pF | GJM0223C1E2R6BB01# | |
| | | | | ±0.25pF | GJM0223C1E2R6CB01# | |
| | | | 2.7pF | ±0.05pF | GJM0223C1E2R7WB01# | |
| | | | | ±0.1pF | GJM0223C1E2R7BB01# | |
| | | | | ±0.25pF | GJM0223C1E2R7CB01# | |
| | | | 2.8pF | ±0.05pF | GJM0223C1E2R8WB01# | |
| | | | | ±0.1pF | GJM0223C1E2R8BB01# | |
| | | | | ±0.25pF | GJM0223C1E2R8CB01# | |
| | | | 2.9pF | ±0.05pF | GJM0223C1E2R9WB01# | |
| | | | | ±0.1pF | GJM0223C1E2R9BB01# | |
| | | | | ±0.25pF | GJM0223C1E2R9CB01# | |
| | | | 3.0pF | ±0.05pF | GJM0223C1E3R0WB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 0.4×0.2mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 25Vdc | CJ | 3.0pF | ±0.1pF | GJM0223C1E3R0BB01# | |
| | | | | ±0.25pF | GJM0223C1E3R0CB01# | |
| | | | 3.1pF | ±0.05pF | GJM0223C1E3R1WB01# | |
| | | | | ±0.1pF | GJM0223C1E3R1BB01# | |
| | | | | ±0.25pF | GJM0223C1E3R1CB01# | |
| | | | 3.2pF | ±0.05pF | GJM0223C1E3R2WB01# | |
| | | | | ±0.1pF | GJM0223C1E3R2BB01# | |
| | | | | ±0.25pF | GJM0223C1E3R2CB01# | |
| | | | 3.3pF | ±0.05pF | GJM0223C1E3R3WB01# | |
| | | | | ±0.1pF | GJM0223C1E3R3BB01# | |
| | | | | ±0.25pF | GJM0223C1E3R3CB01# | |
| | | | 3.4pF | ±0.05pF | GJM0223C1E3R4WB01# | |
| | | | | ±0.1pF | GJM0223C1E3R4BB01# | |
| | | | | ±0.25pF | GJM0223C1E3R4CB01# | |
| | | | 3.5pF | ±0.05pF | GJM0223C1E3R5WB01# | |
| | | | | ±0.1pF | GJM0223C1E3R5BB01# | |
| | | | | ±0.25pF | GJM0223C1E3R5CB01# | |
| | | | 3.6pF | ±0.05pF | GJM0223C1E3R6WB01# | |
| | | | | ±0.1pF | GJM0223C1E3R6BB01# | |
| | | | | ±0.25pF | GJM0223C1E3R6CB01# | |
| | | | 3.7pF | ±0.05pF | GJM0223C1E3R7WB01# | |
| | | | | ±0.1pF | GJM0223C1E3R7BB01# | |
| | | | | ±0.25pF | GJM0223C1E3R7CB01# | |
| | | | 3.8pF | ±0.05pF | GJM0223C1E3R8WB01# | |
| | | | | ±0.1pF | GJM0223C1E3R8BB01# | |
| | | | | ±0.25pF | GJM0223C1E3R8CB01# | |
| | | | 3.9pF | ±0.05pF | GJM0223C1E3R9WB01# | |
| | | | | ±0.1pF | GJM0223C1E3R9BB01# | |
| | | | | ±0.25pF | GJM0223C1E3R9CB01# | |
| | | CH | 4.0pF | ±0.05pF | GJM0222C1E4R0WB01# | |
| | | | | ±0.1pF | GJM0222C1E4R0BB01# | |
| | | | | ±0.25pF | GJM0222C1E4R0CB01# | |
| | | | 4.1pF | ±0.05pF | GJM0222C1E4R1WB01# | |
| | | | | ±0.1pF | GJM0222C1E4R1BB01# | |
| | | | | ±0.25pF | GJM0222C1E4R1CB01# | |
| | | | 4.2pF | ±0.05pF | GJM0222C1E4R2WB01# | |
| | | | | ±0.1pF | GJM0222C1E4R2BB01# | |
| | | | | ±0.25pF | GJM0222C1E4R2CB01# | |
| | | | 4.3pF | ±0.05pF | GJM0222C1E4R3WB01# | |
| | | | | ±0.1pF | GJM0222C1E4R3BB01# | |
| | | | | ±0.25pF | GJM0222C1E4R3CB01# | |
| | | | 4.4pF | ±0.05pF | GJM0222C1E4R4WB01# | |
| | | | | ±0.1pF | GJM0222C1E4R4BB01# | |
| | | | | ±0.25pF | GJM0222C1E4R4CB01# | |
| | | | 4.5pF | ±0.05pF | GJM0222C1E4R5WB01# | |
| | | | | ±0.1pF | GJM0222C1E4R5BB01# | |
| | | | | ±0.25pF | GJM0222C1E4R5CB01# | |
| | | | 4.6pF | ±0.05pF | GJM0222C1E4R6WB01# | |
| | | | | ±0.1pF | GJM0222C1E4R6BB01# | |
| | | | | ±0.25pF | GJM0222C1E4R6CB01# | |
| | | | 4.7pF | ±0.05pF | GJM0222C1E4R7WB01# | |
| | | | | ±0.1pF | GJM0222C1E4R7BB01# | |
| | | | | ±0.25pF | GJM0222C1E4R7CB01# | |
| | | | 4.8pF | ±0.05pF | GJM0222C1E4R8WB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 25Vdc | CH | 4.8pF | ±0.1pF | GJM0222C1E4R8BB01# | |
| | | | | ±0.25pF | GJM0222C1E4R8CB01# | |
| | | | 4.9pF | ±0.05pF | GJM0222C1E4R9WB01# | |
| | | | | ±0.1pF | GJM0222C1E4R9BB01# | |
| | | | | ±0.25pF | GJM0222C1E4R9CB01# | |
| | | | 5.0pF | ±0.05pF | GJM0222C1E5R0WB01# | |
| | | | | ±0.1pF | GJM0222C1E5R0BB01# | |
| | | | | ±0.25pF | GJM0222C1E5R0CB01# | |
| | | | 5.1pF | ±0.05pF | GJM0222C1E5R1WB01# | |
| | | | | ±0.1pF | GJM0222C1E5R1BB01# | |
| | | | | ±0.25pF | GJM0222C1E5R1CB01# | |
| | | | | ±0.5pF | GJM0222C1E5R1DB01# | |
| | | | 5.2pF | ±0.05pF | GJM0222C1E5R2WB01# | |
| | | | | ±0.1pF | GJM0222C1E5R2BB01# | |
| | | | | ±0.25pF | GJM0222C1E5R2CB01# | |
| | | | | ±0.5pF | GJM0222C1E5R2DB01# | |
| | | | 5.3pF | ±0.05pF | GJM0222C1E5R3WB01# | |
| | | | | ±0.1pF | GJM0222C1E5R3BB01# | |
| | | | | ±0.25pF | GJM0222C1E5R3CB01# | |
| | | | | ±0.5pF | GJM0222C1E5R3DB01# | |
| | | | 5.4pF | ±0.05pF | GJM0222C1E5R4WB01# | |
| | | | | ±0.1pF | GJM0222C1E5R4BB01# | |
| | | | | ±0.25pF | GJM0222C1E5R4CB01# | |
| | | | | ±0.5pF | GJM0222C1E5R4DB01# | |
| | | | 5.5pF | ±0.05pF | GJM0222C1E5R5WB01# | |
| | | | | ±0.1pF | GJM0222C1E5R5BB01# | |
| | | | | ±0.25pF | GJM0222C1E5R5CB01# | |
| | | | | ±0.5pF | GJM0222C1E5R5DB01# | |
| | | | 5.6pF | ±0.05pF | GJM0222C1E5R6WB01# | |
| | | | | ±0.1pF | GJM0222C1E5R6BB01# | |
| | | | | ±0.25pF | GJM0222C1E5R6CB01# | |
| | | | | ±0.5pF | GJM0222C1E5R6DB01# | |
| | | | 5.7pF | ±0.05pF | GJM0222C1E5R7WB01# | |
| | | | | ±0.1pF | GJM0222C1E5R7BB01# | |
| | | | | ±0.25pF | GJM0222C1E5R7CB01# | |
| | | | | ±0.5pF | GJM0222C1E5R7DB01# | |
| | | | 5.8pF | ±0.05pF | GJM0222C1E5R8WB01# | |
| | | | | ±0.1pF | GJM0222C1E5R8BB01# | |
| | | | | ±0.25pF | GJM0222C1E5R8CB01# | |
| | | | | ±0.5pF | GJM0222C1E5R8DB01# | |
| | | | 5.9pF | ±0.05pF | GJM0222C1E5R9WB01# | |
| | | | | ±0.1pF | GJM0222C1E5R9BB01# | |
| | | | | ±0.25pF | GJM0222C1E5R9CB01# | |
| | | | | ±0.5pF | GJM0222C1E5R9DB01# | |
| | | | 6.0pF | ±0.05pF | GJM0222C1E6R0WB01# | |
| | | | | ±0.1pF | GJM0222C1E6R0BB01# | |
| | | | | ±0.25pF | GJM0222C1E6R0CB01# | |
| | | | | ±0.5pF | GJM0222C1E6R0DB01# | |
| | | | 6.1pF | ±0.05pF | GJM0222C1E6R1WB01# | |
| | | | | ±0.1pF | GJM0222C1E6R1BB01# | |
| | | | | ±0.25pF | GJM0222C1E6R1CB01# | |
| | | | | ±0.5pF | GJM0222C1E6R1DB01# | |
| | | | 6.2pF | ±0.05pF | GJM0222C1E6R2WB01# | |
| | | | | ±0.1pF | GJM0222C1E6R2BB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 0.4×0.2mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 25Vdc | CH | 6.2pF | ±0.25pF | GJM0222C1E6R2CB01# | |
| | | | | ±0.5pF | GJM0222C1E6R2DB01# | |
| | | | 6.3pF | ±0.05pF | GJM0222C1E6R3WB01# | |
| | | | | ±0.1pF | GJM0222C1E6R3BB01# | |
| | | | | ±0.25pF | GJM0222C1E6R3CB01# | |
| | | | | ±0.5pF | GJM0222C1E6R3DB01# | |
| | | | 6.4pF | ±0.05pF | GJM0222C1E6R4WB01# | |
| | | | | ±0.1pF | GJM0222C1E6R4BB01# | |
| | | | | ±0.25pF | GJM0222C1E6R4CB01# | |
| | | | | ±0.5pF | GJM0222C1E6R4DB01# | |
| | | | 6.5pF | ±0.05pF | GJM0222C1E6R5WB01# | |
| | | | | ±0.1pF | GJM0222C1E6R5BB01# | |
| | | | | ±0.25pF | GJM0222C1E6R5CB01# | |
| | | | | ±0.5pF | GJM0222C1E6R5DB01# | |
| | | | 6.6pF | ±0.05pF | GJM0222C1E6R6WB01# | |
| | | | | ±0.1pF | GJM0222C1E6R6BB01# | |
| | | | | ±0.25pF | GJM0222C1E6R6CB01# | |
| | | | | ±0.5pF | GJM0222C1E6R6DB01# | |
| | | | 6.7pF | ±0.05pF | GJM0222C1E6R7WB01# | |
| | | | | ±0.1pF | GJM0222C1E6R7BB01# | |
| | | | | ±0.25pF | GJM0222C1E6R7CB01# | |
| | | | | ±0.5pF | GJM0222C1E6R7DB01# | |
| | | | 6.8pF | ±0.05pF | GJM0222C1E6R8WB01# | |
| | | | | ±0.1pF | GJM0222C1E6R8BB01# | |
| | | | | ±0.25pF | GJM0222C1E6R8CB01# | |
| | | | | ±0.5pF | GJM0222C1E6R8DB01# | |
| | | | 6.9pF | ±0.05pF | GJM0222C1E6R9WB01# | |
| | | | | ±0.1pF | GJM0222C1E6R9BB01# | |
| | | | | ±0.25pF | GJM0222C1E6R9CB01# | |
| | | | | ±0.5pF | GJM0222C1E6R9DB01# | |
| | | | 7.0pF | ±0.05pF | GJM0222C1E7R0WB01# | |
| | | | | ±0.1pF | GJM0222C1E7R0BB01# | |
| | | | | ±0.25pF | GJM0222C1E7R0CB01# | |
| | | | | ±0.5pF | GJM0222C1E7R0DB01# | |
| | | | 7.1pF | ±0.05pF | GJM0222C1E7R1WB01# | |
| | | | | ±0.1pF | GJM0222C1E7R1BB01# | |
| | | | | ±0.25pF | GJM0222C1E7R1CB01# | |
| | | | | ±0.5pF | GJM0222C1E7R1DB01# | |
| | | | 7.2pF | ±0.05pF | GJM0222C1E7R2WB01# | |
| | | | | ±0.1pF | GJM0222C1E7R2BB01# | |
| | | | | ±0.25pF | GJM0222C1E7R2CB01# | |
| | | | | ±0.5pF | GJM0222C1E7R2DB01# | |
| | | | 7.3pF | ±0.05pF | GJM0222C1E7R3WB01# | |
| | | | | ±0.1pF | GJM0222C1E7R3BB01# | |
| | | | | ±0.25pF | GJM0222C1E7R3CB01# | |
| | | | | ±0.5pF | GJM0222C1E7R3DB01# | |
| | | | 7.4pF | ±0.05pF | GJM0222C1E7R4WB01# | |
| | | | | ±0.1pF | GJM0222C1E7R4BB01# | |
| | | | | ±0.25pF | GJM0222C1E7R4CB01# | |
| | | | | ±0.5pF | GJM0222C1E7R4DB01# | |
| | | | 7.5pF | ±0.05pF | GJM0222C1E7R5WB01# | |
| | | | | ±0.1pF | GJM0222C1E7R5BB01# | |
| | | | | ±0.25pF | GJM0222C1E7R5CB01# | |
| | | | | ±0.5pF | GJM0222C1E7R5DB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 25Vdc | CH | 7.6pF | ±0.05pF | GJM0222C1E7R6WB01# | |
| | | | | ±0.1pF | GJM0222C1E7R6BB01# | |
| | | | | ±0.25pF | GJM0222C1E7R6CB01# | |
| | | | | ±0.5pF | GJM0222C1E7R6DB01# | |
| | | | 7.7pF | ±0.05pF | GJM0222C1E7R7WB01# | |
| | | | | ±0.1pF | GJM0222C1E7R7BB01# | |
| | | | | ±0.25pF | GJM0222C1E7R7CB01# | |
| | | | | ±0.5pF | GJM0222C1E7R7DB01# | |
| | | | 7.8pF | ±0.05pF | GJM0222C1E7R8WB01# | |
| | | | | ±0.1pF | GJM0222C1E7R8BB01# | |
| | | | | ±0.25pF | GJM0222C1E7R8CB01# | |
| | | | | ±0.5pF | GJM0222C1E7R8DB01# | |
| | | | 7.9pF | ±0.05pF | GJM0222C1E7R9WB01# | |
| | | | | ±0.1pF | GJM0222C1E7R9BB01# | |
| | | | | ±0.25pF | GJM0222C1E7R9CB01# | |
| | | | | ±0.5pF | GJM0222C1E7R9DB01# | |
| | | | 8.0pF | ±0.05pF | GJM0222C1E8R0WB01# | |
| | | | | ±0.1pF | GJM0222C1E8R0BB01# | |
| | | | | ±0.25pF | GJM0222C1E8R0CB01# | |
| | | | | ±0.5pF | GJM0222C1E8R0DB01# | |
| | | | 8.1pF | ±0.05pF | GJM0222C1E8R1WB01# | |
| | | | | ±0.1pF | GJM0222C1E8R1BB01# | |
| | | | | ±0.25pF | GJM0222C1E8R1CB01# | |
| | | | | ±0.5pF | GJM0222C1E8R1DB01# | |
| | | | 8.2pF | ±0.05pF | GJM0222C1E8R2WB01# | |
| | | | | ±0.1pF | GJM0222C1E8R2BB01# | |
| | | | | ±0.25pF | GJM0222C1E8R2CB01# | |
| | | | | ±0.5pF | GJM0222C1E8R2DB01# | |
| | | | 8.3pF | ±0.05pF | GJM0222C1E8R3WB01# | |
| | | | | ±0.1pF | GJM0222C1E8R3BB01# | |
| | | | | ±0.25pF | GJM0222C1E8R3CB01# | |
| | | | | ±0.5pF | GJM0222C1E8R3DB01# | |
| | | | 8.4pF | ±0.05pF | GJM0222C1E8R4WB01# | |
| | | | | ±0.1pF | GJM0222C1E8R4BB01# | |
| | | | | ±0.25pF | GJM0222C1E8R4CB01# | |
| | | | | ±0.5pF | GJM0222C1E8R4DB01# | |
| | | | 8.5pF | ±0.05pF | GJM0222C1E8R5WB01# | |
| | | | | ±0.1pF | GJM0222C1E8R5BB01# | |
| | | | | ±0.25pF | GJM0222C1E8R5CB01# | |
| | | | | ±0.5pF | GJM0222C1E8R5DB01# | |
| | | | 8.6pF | ±0.05pF | GJM0222C1E8R6WB01# | |
| | | | | ±0.1pF | GJM0222C1E8R6BB01# | |
| | | | | ±0.25pF | GJM0222C1E8R6CB01# | |
| | | | | ±0.5pF | GJM0222C1E8R6DB01# | |
| | | | 8.7pF | ±0.05pF | GJM0222C1E8R7WB01# | |
| | | | | ±0.1pF | GJM0222C1E8R7BB01# | |
| | | | | ±0.25pF | GJM0222C1E8R7CB01# | |
| | | | | ±0.5pF | GJM0222C1E8R7DB01# | |
| | | | 8.8pF | ±0.05pF | GJM0222C1E8R8WB01# | |
| | | | | ±0.1pF | GJM0222C1E8R8BB01# | |
| | | | | ±0.25pF | GJM0222C1E8R8CB01# | |
| | | | | ±0.5pF | GJM0222C1E8R8DB01# | |
| | | | 8.9pF | ±0.05pF | GJM0222C1E8R9WB01# | |
| | | | | ±0.1pF | GJM0222C1E8R9BB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

## (→ 0.4×0.2mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 25Vdc | CH | 8.9pF | ±0.25pF | GJM0222C1E8R9CB01# | |
| | | | | ±0.5pF | GJM0222C1E8R9DB01# | |
| | | | 9.0pF | ±0.05pF | GJM0222C1E9R0WB01# | |
| | | | | ±0.1pF | GJM0222C1E9R0BB01# | |
| | | | | ±0.25pF | GJM0222C1E9R0CB01# | |
| | | | | ±0.5pF | GJM0222C1E9R0DB01# | |
| | | | 9.1pF | ±0.05pF | GJM0222C1E9R1WB01# | |
| | | | | ±0.1pF | GJM0222C1E9R1BB01# | |
| | | | | ±0.25pF | GJM0222C1E9R1CB01# | |
| | | | | ±0.5pF | GJM0222C1E9R1DB01# | |
| | | | 9.2pF | ±0.05pF | GJM0222C1E9R2WB01# | |
| | | | | ±0.1pF | GJM0222C1E9R2BB01# | |
| | | | | ±0.25pF | GJM0222C1E9R2CB01# | |
| | | | | ±0.5pF | GJM0222C1E9R2DB01# | |
| | | | 9.3pF | ±0.05pF | GJM0222C1E9R3WB01# | |
| | | | | ±0.1pF | GJM0222C1E9R3BB01# | |
| | | | | ±0.25pF | GJM0222C1E9R3CB01# | |
| | | | | ±0.5pF | GJM0222C1E9R3DB01# | |
| | | | 9.4pF | ±0.05pF | GJM0222C1E9R4WB01# | |
| | | | | ±0.1pF | GJM0222C1E9R4BB01# | |
| | | | | ±0.25pF | GJM0222C1E9R4CB01# | |
| | | | | ±0.5pF | GJM0222C1E9R4DB01# | |
| | | | 9.5pF | ±0.05pF | GJM0222C1E9R5WB01# | |
| | | | | ±0.1pF | GJM0222C1E9R5BB01# | |
| | | | | ±0.25pF | GJM0222C1E9R5CB01# | |
| | | | | ±0.5pF | GJM0222C1E9R5DB01# | |
| | | | 9.6pF | ±0.05pF | GJM0222C1E9R6WB01# | |
| | | | | ±0.1pF | GJM0222C1E9R6BB01# | |
| | | | | ±0.25pF | GJM0222C1E9R6CB01# | |
| | | | | ±0.5pF | GJM0222C1E9R6DB01# | |
| | | | 9.7pF | ±0.05pF | GJM0222C1E9R7WB01# | |
| | | | | ±0.1pF | GJM0222C1E9R7BB01# | |
| | | | | ±0.25pF | GJM0222C1E9R7CB01# | |
| | | | | ±0.5pF | GJM0222C1E9R7DB01# | |
| | | | 9.8pF | ±0.05pF | GJM0222C1E9R8WB01# | |
| | | | | ±0.1pF | GJM0222C1E9R8BB01# | |
| | | | | ±0.25pF | GJM0222C1E9R8CB01# | |
| | | | | ±0.5pF | GJM0222C1E9R8DB01# | |
| | | | 9.9pF | ±0.05pF | GJM0222C1E9R9WB01# | |
| | | | | ±0.1pF | GJM0222C1E9R9BB01# | |
| | | | | ±0.25pF | GJM0222C1E9R9CB01# | |
| | | | | ±0.5pF | GJM0222C1E9R9DB01# | |
| | | | 10pF | ±2% | GJM0222C1E100GB01# | |
| | | | | ±5% | GJM0222C1E100JB01# | |
| | | | 11pF | ±2% | GJM0222C1E110GB01# | |
| | | | | ±5% | GJM0222C1E110JB01# | |
| | | | 12pF | ±2% | GJM0222C1E120GB01# | |
| | | | | ±5% | GJM0222C1E120JB01# | |
| | | | 13pF | ±2% | GJM0222C1E130GB01# | |
| | | | | ±5% | GJM0222C1E130JB01# | |
| | | | 15pF | ±2% | GJM0222C1E150GB01# | |
| | | | | ±5% | GJM0222C1E150JB01# | |
| | | | 16pF | ±2% | GJM0222C1E160GB01# | |
| | | | | ±5% | GJM0222C1E160JB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.22mm | 25Vdc | CH | 18pF | ±2% | GJM0222C1E180GB01# | |
| | | | | ±5% | GJM0222C1E180JB01# | |
| | | | 20pF | ±2% | GJM0222C1E200GB01# | |
| | | | | ±5% | GJM0222C1E200JB01# | |
| | | | 22pF | ±2% | GJM0222C1E220GB01# | |
| | | | | ±5% | GJM0222C1E220JB01# | |

## 0.6×0.3mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | C0G | 0.20pF | ±0.05pF | GJM0335C1HR20WB01# | D1 |
| | | | | ±0.1pF | GJM0335C1HR20BB01# | D1 |
| | | | 0.30pF | ±0.05pF | GJM0335C1HR30WB01# | D1 |
| | | | | ±0.1pF | GJM0335C1HR30BB01# | D1 |
| | | | 0.40pF | ±0.05pF | GJM0335C1HR40WB01# | D1 |
| | | | | ±0.1pF | GJM0335C1HR40BB01# | D1 |
| | | | 0.50pF | ±0.05pF | GJM0335C1HR50WB01# | D1 |
| | | | | ±0.1pF | GJM0335C1HR50BB01# | D1 |
| | | | 0.60pF | ±0.05pF | GJM0335C1HR60WB01# | D1 |
| | | | | ±0.1pF | GJM0335C1HR60BB01# | D1 |
| | | | 0.70pF | ±0.05pF | GJM0335C1HR70WB01# | D1 |
| | | | | ±0.1pF | GJM0335C1HR70BB01# | D1 |
| | | | 0.80pF | ±0.05pF | GJM0335C1HR80WB01# | D1 |
| | | | | ±0.1pF | GJM0335C1HR80BB01# | D1 |
| | | | 0.90pF | ±0.05pF | GJM0335C1HR90WB01# | D1 |
| | | | | ±0.1pF | GJM0335C1HR90BB01# | D1 |
| | | CK | 0.20pF | ±0.05pF | GJM0334C1HR20WB01# | D1 |
| | | | 0.30pF | ±0.05pF | GJM0334C1HR30WB01# | D1 |
| | | | 0.40pF | ±0.05pF | GJM0334C1HR40WB01# | D1 |
| | | | 0.50pF | ±0.05pF | GJM0334C1HR50WB01# | D1 |
| | | | 0.60pF | ±0.05pF | GJM0334C1HR60WB01# | D1 |
| | | | 0.70pF | ±0.05pF | GJM0334C1HR70WB01# | D1 |
| | | | 0.80pF | ±0.05pF | GJM0334C1HR80WB01# | D1 |
| | | | 0.90pF | ±0.05pF | GJM0334C1HR90WB01# | D1 |
| | | | 1.0pF | ±0.1pF | GJM0334C1H1R0BB01# | D1 |
| | | | 1.1pF | ±0.1pF | GJM0334C1H1R1BB01# | D1 |
| | | | 1.2pF | ±0.1pF | GJM0334C1H1R2BB01# | D1 |
| | | | 1.3pF | ±0.1pF | GJM0334C1H1R3BB01# | D1 |
| | | | 1.5pF | ±0.1pF | GJM0334C1H1R5BB01# | D1 |
| | | | 1.6pF | ±0.1pF | GJM0334C1H1R6BB01# | D1 |
| | | | 1.8pF | ±0.1pF | GJM0334C1H1R8BB01# | D1 |
| | | | 2.0pF | ±0.1pF | GJM0334C1H2R0BB01# | D1 |
| | | CJ | 2.2pF | ±0.1pF | GJM0333C1H2R2BB01# | D1 |
| | | | 2.4pF | ±0.1pF | GJM0333C1H2R4BB01# | D1 |
| | | | 2.7pF | ±0.1pF | GJM0333C1H2R7BB01# | D1 |
| | | | 3.0pF | ±0.1pF | GJM0333C1H3R0BB01# | D1 |
| | | | 3.3pF | ±0.1pF | GJM0333C1H3R3BB01# | D1 |
| | | | 3.6pF | ±0.1pF | GJM0333C1H3R6BB01# | D1 |
| | | | 3.9pF | ±0.1pF | GJM0333C1H3R9BB01# | D1 |
| | | CH | 0.20pF | ±0.05pF | GJM0332C1HR20WB01# | D1 |
| | | | | ±0.1pF | GJM0332C1HR20BB01# | D1 |
| | | | 0.30pF | ±0.05pF | GJM0332C1HR30WB01# | D1 |
| | | | | ±0.1pF | GJM0332C1HR30BB01# | D1 |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 50Vdc | CH | 0.40pF | ±0.05pF | GJM0332C1HR40WB01# | D1 |
| | | | | ±0.1pF | GJM0332C1HR40BB01# | D1 |
| | | | 0.50pF | ±0.05pF | GJM0332C1HR50WB01# | D1 |
| | | | | ±0.1pF | GJM0332C1HR50BB01# | D1 |
| | | | 0.60pF | ±0.05pF | GJM0332C1HR60WB01# | D1 |
| | | | | ±0.1pF | GJM0332C1HR60BB01# | D1 |
| | | | 0.70pF | ±0.05pF | GJM0332C1HR70WB01# | D1 |
| | | | | ±0.1pF | GJM0332C1HR70BB01# | D1 |
| | | | 0.80pF | ±0.05pF | GJM0332C1HR80WB01# | D1 |
| | | | | ±0.1pF | GJM0332C1HR80BB01# | D1 |
| | | | 0.90pF | ±0.05pF | GJM0332C1HR90WB01# | D1 |
| | | | | ±0.1pF | GJM0332C1HR90BB01# | D1 |
| | 25Vdc | C0G | 1.0pF | ±0.05pF | GJM0335C1E1R0WB01# | |
| | | | | ±0.1pF | GJM0335C1E1R0BB01# | |
| | | | | ±0.25pF | GJM0335C1E1R0CB01# | |
| | | | 1.1pF | ±0.05pF | GJM0335C1E1R1WB01# | |
| | | | | ±0.1pF | GJM0335C1E1R1BB01# | |
| | | | | ±0.25pF | GJM0335C1E1R1CB01# | |
| | | | 1.2pF | ±0.05pF | GJM0335C1E1R2WB01# | |
| | | | | ±0.1pF | GJM0335C1E1R2BB01# | |
| | | | | ±0.25pF | GJM0335C1E1R2CB01# | |
| | | | 1.3pF | ±0.05pF | GJM0335C1E1R3WB01# | |
| | | | | ±0.1pF | GJM0335C1E1R3BB01# | |
| | | | | ±0.25pF | GJM0335C1E1R3CB01# | |
| | | | 1.4pF | ±0.05pF | GJM0335C1E1R4WB01# | |
| | | | | ±0.1pF | GJM0335C1E1R4BB01# | |
| | | | | ±0.25pF | GJM0335C1E1R4CB01# | |
| | | | 1.5pF | ±0.05pF | GJM0335C1E1R5WB01# | |
| | | | | ±0.1pF | GJM0335C1E1R5BB01# | |
| | | | | ±0.25pF | GJM0335C1E1R5CB01# | |
| | | | 1.6pF | ±0.05pF | GJM0335C1E1R6WB01# | |
| | | | | ±0.1pF | GJM0335C1E1R6BB01# | |
| | | | | ±0.25pF | GJM0335C1E1R6CB01# | |
| | | | 1.7pF | ±0.05pF | GJM0335C1E1R7WB01# | |
| | | | | ±0.1pF | GJM0335C1E1R7BB01# | |
| | | | | ±0.25pF | GJM0335C1E1R7CB01# | |
| | | | 1.8pF | ±0.05pF | GJM0335C1E1R8WB01# | |
| | | | | ±0.1pF | GJM0335C1E1R8BB01# | |
| | | | | ±0.25pF | GJM0335C1E1R8CB01# | |
| | | | 1.9pF | ±0.05pF | GJM0335C1E1R9WB01# | |
| | | | | ±0.1pF | GJM0335C1E1R9BB01# | |
| | | | | ±0.25pF | GJM0335C1E1R9CB01# | |
| | | | 2.0pF | ±0.05pF | GJM0335C1E2R0WB01# | |
| | | | | ±0.1pF | GJM0335C1E2R0BB01# | |
| | | | | ±0.25pF | GJM0335C1E2R0CB01# | |
| | | | 2.1pF | ±0.05pF | GJM0335C1E2R1WB01# | |
| | | | | ±0.1pF | GJM0335C1E2R1BB01# | |
| | | | | ±0.25pF | GJM0335C1E2R1CB01# | |
| | | | 2.2pF | ±0.05pF | GJM0335C1E2R2WB01# | |
| | | | | ±0.1pF | GJM0335C1E2R2BB01# | |
| | | | | ±0.25pF | GJM0335C1E2R2CB01# | |
| | | | 2.3pF | ±0.05pF | GJM0335C1E2R3WB01# | |
| | | | | ±0.1pF | GJM0335C1E2R3BB01# | |
| | | | | ±0.25pF | GJM0335C1E2R3CB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 25Vdc | C0G | 2.4pF | ±0.05pF | GJM0335C1E2R4WB01# | |
| | | | | ±0.1pF | GJM0335C1E2R4BB01# | |
| | | | | ±0.25pF | GJM0335C1E2R4CB01# | |
| | | | 2.5pF | ±0.05pF | GJM0335C1E2R5WB01# | |
| | | | | ±0.1pF | GJM0335C1E2R5BB01# | |
| | | | | ±0.25pF | GJM0335C1E2R5CB01# | |
| | | | 2.6pF | ±0.05pF | GJM0335C1E2R6WB01# | |
| | | | | ±0.1pF | GJM0335C1E2R6BB01# | |
| | | | | ±0.25pF | GJM0335C1E2R6CB01# | |
| | | | 2.7pF | ±0.05pF | GJM0335C1E2R7WB01# | |
| | | | | ±0.1pF | GJM0335C1E2R7BB01# | |
| | | | | ±0.25pF | GJM0335C1E2R7CB01# | |
| | | | 2.8pF | ±0.05pF | GJM0335C1E2R8WB01# | |
| | | | | ±0.1pF | GJM0335C1E2R8BB01# | |
| | | | | ±0.25pF | GJM0335C1E2R8CB01# | |
| | | | 2.9pF | ±0.05pF | GJM0335C1E2R9WB01# | |
| | | | | ±0.1pF | GJM0335C1E2R9BB01# | |
| | | | | ±0.25pF | GJM0335C1E2R9CB01# | |
| | | | 3.0pF | ±0.05pF | GJM0335C1E3R0WB01# | |
| | | | | ±0.1pF | GJM0335C1E3R0BB01# | |
| | | | | ±0.25pF | GJM0335C1E3R0CB01# | |
| | | | 3.1pF | ±0.05pF | GJM0335C1E3R1WB01# | |
| | | | | ±0.1pF | GJM0335C1E3R1BB01# | |
| | | | | ±0.25pF | GJM0335C1E3R1CB01# | |
| | | | 3.2pF | ±0.05pF | GJM0335C1E3R2WB01# | |
| | | | | ±0.1pF | GJM0335C1E3R2BB01# | |
| | | | | ±0.25pF | GJM0335C1E3R2CB01# | |
| | | | 3.3pF | ±0.05pF | GJM0335C1E3R3WB01# | |
| | | | | ±0.1pF | GJM0335C1E3R3BB01# | |
| | | | | ±0.25pF | GJM0335C1E3R3CB01# | |
| | | | 3.4pF | ±0.05pF | GJM0335C1E3R4WB01# | |
| | | | | ±0.1pF | GJM0335C1E3R4BB01# | |
| | | | | ±0.25pF | GJM0335C1E3R4CB01# | |
| | | | 3.5pF | ±0.05pF | GJM0335C1E3R5WB01# | |
| | | | | ±0.1pF | GJM0335C1E3R5BB01# | |
| | | | | ±0.25pF | GJM0335C1E3R5CB01# | |
| | | | 3.6pF | ±0.05pF | GJM0335C1E3R6WB01# | |
| | | | | ±0.1pF | GJM0335C1E3R6BB01# | |
| | | | | ±0.25pF | GJM0335C1E3R6CB01# | |
| | | | 3.7pF | ±0.05pF | GJM0335C1E3R7WB01# | |
| | | | | ±0.1pF | GJM0335C1E3R7BB01# | |
| | | | | ±0.25pF | GJM0335C1E3R7CB01# | |
| | | | 3.8pF | ±0.05pF | GJM0335C1E3R8WB01# | |
| | | | | ±0.1pF | GJM0335C1E3R8BB01# | |
| | | | | ±0.25pF | GJM0335C1E3R8CB01# | |
| | | | 3.9pF | ±0.05pF | GJM0335C1E3R9WB01# | |
| | | | | ±0.1pF | GJM0335C1E3R9BB01# | |
| | | | | ±0.25pF | GJM0335C1E3R9CB01# | |
| | | | 4.0pF | ±0.05pF | GJM0335C1E4R0WB01# | |
| | | | | ±0.1pF | GJM0335C1E4R0BB01# | |
| | | | | ±0.25pF | GJM0335C1E4R0CB01# | |
| | | | 4.1pF | ±0.05pF | GJM0335C1E4R1WB01# | |
| | | | | ±0.1pF | GJM0335C1E4R1BB01# | |
| | | | | ±0.25pF | GJM0335C1E4R1CB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 25Vdc | C0G | 4.2pF | ±0.05pF | GJM0335C1E4R2WB01# | |
| | | | | ±0.1pF | GJM0335C1E4R2BB01# | |
| | | | | ±0.25pF | GJM0335C1E4R2CB01# | |
| | | | 4.3pF | ±0.05pF | GJM0335C1E4R3WB01# | |
| | | | | ±0.1pF | GJM0335C1E4R3BB01# | |
| | | | | ±0.25pF | GJM0335C1E4R3CB01# | |
| | | | 4.4pF | ±0.05pF | GJM0335C1E4R4WB01# | |
| | | | | ±0.1pF | GJM0335C1E4R4BB01# | |
| | | | | ±0.25pF | GJM0335C1E4R4CB01# | |
| | | | 4.5pF | ±0.05pF | GJM0335C1E4R5WB01# | |
| | | | | ±0.1pF | GJM0335C1E4R5BB01# | |
| | | | | ±0.25pF | GJM0335C1E4R5CB01# | |
| | | | 4.6pF | ±0.05pF | GJM0335C1E4R6WB01# | |
| | | | | ±0.1pF | GJM0335C1E4R6BB01# | |
| | | | | ±0.25pF | GJM0335C1E4R6CB01# | |
| | | | 4.7pF | ±0.05pF | GJM0335C1E4R7WB01# | |
| | | | | ±0.1pF | GJM0335C1E4R7BB01# | |
| | | | | ±0.25pF | GJM0335C1E4R7CB01# | |
| | | | 4.8pF | ±0.05pF | GJM0335C1E4R8WB01# | |
| | | | | ±0.1pF | GJM0335C1E4R8BB01# | |
| | | | | ±0.25pF | GJM0335C1E4R8CB01# | |
| | | | 4.9pF | ±0.05pF | GJM0335C1E4R9WB01# | |
| | | | | ±0.1pF | GJM0335C1E4R9BB01# | |
| | | | | ±0.25pF | GJM0335C1E4R9CB01# | |
| | | | 5.0pF | ±0.05pF | GJM0335C1E5R0WB01# | |
| | | | | ±0.1pF | GJM0335C1E5R0BB01# | |
| | | | | ±0.25pF | GJM0335C1E5R0CB01# | |
| | | | 5.1pF | ±0.05pF | GJM0335C1E5R1WB01# | |
| | | | | ±0.1pF | GJM0335C1E5R1BB01# | |
| | | | | ±0.25pF | GJM0335C1E5R1CB01# | |
| | | | | ±0.5pF | GJM0335C1E5R1DB01# | |
| | | | 5.2pF | ±0.05pF | GJM0335C1E5R2WB01# | |
| | | | | ±0.1pF | GJM0335C1E5R2BB01# | |
| | | | | ±0.25pF | GJM0335C1E5R2CB01# | |
| | | | | ±0.5pF | GJM0335C1E5R2DB01# | |
| | | | 5.3pF | ±0.05pF | GJM0335C1E5R3WB01# | |
| | | | | ±0.1pF | GJM0335C1E5R3BB01# | |
| | | | | ±0.25pF | GJM0335C1E5R3CB01# | |
| | | | | ±0.5pF | GJM0335C1E5R3DB01# | |
| | | | 5.4pF | ±0.05pF | GJM0335C1E5R4WB01# | |
| | | | | ±0.1pF | GJM0335C1E5R4BB01# | |
| | | | | ±0.25pF | GJM0335C1E5R4CB01# | |
| | | | | ±0.5pF | GJM0335C1E5R4DB01# | |
| | | | 5.5pF | ±0.05pF | GJM0335C1E5R5WB01# | |
| | | | | ±0.1pF | GJM0335C1E5R5BB01# | |
| | | | | ±0.25pF | GJM0335C1E5R5CB01# | |
| | | | | ±0.5pF | GJM0335C1E5R5DB01# | |
| | | | 5.6pF | ±0.05pF | GJM0335C1E5R6WB01# | |
| | | | | ±0.1pF | GJM0335C1E5R6BB01# | |
| | | | | ±0.25pF | GJM0335C1E5R6CB01# | |
| | | | | ±0.5pF | GJM0335C1E5R6DB01# | |
| | | | 5.7pF | ±0.05pF | GJM0335C1E5R7WB01# | |
| | | | | ±0.1pF | GJM0335C1E5R7BB01# | |
| | | | | ±0.25pF | GJM0335C1E5R7CB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 25Vdc | C0G | 5.7pF | ±0.5pF | GJM0335C1E5R7DB01# | |
| | | | 5.8pF | ±0.05pF | GJM0335C1E5R8WB01# | |
| | | | | ±0.1pF | GJM0335C1E5R8BB01# | |
| | | | | ±0.25pF | GJM0335C1E5R8CB01# | |
| | | | | ±0.5pF | GJM0335C1E5R8DB01# | |
| | | | 5.9pF | ±0.05pF | GJM0335C1E5R9WB01# | |
| | | | | ±0.1pF | GJM0335C1E5R9BB01# | |
| | | | | ±0.25pF | GJM0335C1E5R9CB01# | |
| | | | | ±0.5pF | GJM0335C1E5R9DB01# | |
| | | | 6.0pF | ±0.05pF | GJM0335C1E6R0WB01# | |
| | | | | ±0.1pF | GJM0335C1E6R0BB01# | |
| | | | | ±0.25pF | GJM0335C1E6R0CB01# | |
| | | | | ±0.5pF | GJM0335C1E6R0DB01# | |
| | | | 6.1pF | ±0.05pF | GJM0335C1E6R1WB01# | |
| | | | | ±0.1pF | GJM0335C1E6R1BB01# | |
| | | | | ±0.25pF | GJM0335C1E6R1CB01# | |
| | | | | ±0.5pF | GJM0335C1E6R1DB01# | |
| | | | 6.2pF | ±0.05pF | GJM0335C1E6R2WB01# | |
| | | | | ±0.1pF | GJM0335C1E6R2BB01# | |
| | | | | ±0.25pF | GJM0335C1E6R2CB01# | |
| | | | | ±0.5pF | GJM0335C1E6R2DB01# | |
| | | | 6.3pF | ±0.05pF | GJM0335C1E6R3WB01# | |
| | | | | ±0.1pF | GJM0335C1E6R3BB01# | |
| | | | | ±0.25pF | GJM0335C1E6R3CB01# | |
| | | | | ±0.5pF | GJM0335C1E6R3DB01# | |
| | | | 6.4pF | ±0.05pF | GJM0335C1E6R4WB01# | |
| | | | | ±0.1pF | GJM0335C1E6R4BB01# | |
| | | | | ±0.25pF | GJM0335C1E6R4CB01# | |
| | | | | ±0.5pF | GJM0335C1E6R4DB01# | |
| | | | 6.5pF | ±0.05pF | GJM0335C1E6R5WB01# | |
| | | | | ±0.1pF | GJM0335C1E6R5BB01# | |
| | | | | ±0.25pF | GJM0335C1E6R5CB01# | |
| | | | | ±0.5pF | GJM0335C1E6R5DB01# | |
| | | | 6.6pF | ±0.05pF | GJM0335C1E6R6WB01# | |
| | | | | ±0.1pF | GJM0335C1E6R6BB01# | |
| | | | | ±0.25pF | GJM0335C1E6R6CB01# | |
| | | | | ±0.5pF | GJM0335C1E6R6DB01# | |
| | | | 6.7pF | ±0.05pF | GJM0335C1E6R7WB01# | |
| | | | | ±0.1pF | GJM0335C1E6R7BB01# | |
| | | | | ±0.25pF | GJM0335C1E6R7CB01# | |
| | | | | ±0.5pF | GJM0335C1E6R7DB01# | |
| | | | 6.8pF | ±0.05pF | GJM0335C1E6R8WB01# | |
| | | | | ±0.1pF | GJM0335C1E6R8BB01# | |
| | | | | ±0.25pF | GJM0335C1E6R8CB01# | |
| | | | | ±0.5pF | GJM0335C1E6R8DB01# | |
| | | | 6.9pF | ±0.05pF | GJM0335C1E6R9WB01# | |
| | | | | ±0.1pF | GJM0335C1E6R9BB01# | |
| | | | | ±0.25pF | GJM0335C1E6R9CB01# | |
| | | | | ±0.5pF | GJM0335C1E6R9DB01# | |
| | | | 7.0pF | ±0.05pF | GJM0335C1E7R0WB01# | |
| | | | | ±0.1pF | GJM0335C1E7R0BB01# | |
| | | | | ±0.25pF | GJM0335C1E7R0CB01# | |
| | | | | ±0.5pF | GJM0335C1E7R0DB01# | |
| | | | 7.1pF | ±0.05pF | GJM0335C1E7R1WB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 25Vdc | C0G | 7.1pF | ±0.1pF | GJM0335C1E7R1BB01# | |
| | | | | ±0.25pF | GJM0335C1E7R1CB01# | |
| | | | | ±0.5pF | GJM0335C1E7R1DB01# | |
| | | | 7.2pF | ±0.05pF | GJM0335C1E7R2WB01# | |
| | | | | ±0.1pF | GJM0335C1E7R2BB01# | |
| | | | | ±0.25pF | GJM0335C1E7R2CB01# | |
| | | | | ±0.5pF | GJM0335C1E7R2DB01# | |
| | | | 7.3pF | ±0.05pF | GJM0335C1E7R3WB01# | |
| | | | | ±0.1pF | GJM0335C1E7R3BB01# | |
| | | | | ±0.25pF | GJM0335C1E7R3CB01# | |
| | | | | ±0.5pF | GJM0335C1E7R3DB01# | |
| | | | 7.4pF | ±0.05pF | GJM0335C1E7R4WB01# | |
| | | | | ±0.1pF | GJM0335C1E7R4BB01# | |
| | | | | ±0.25pF | GJM0335C1E7R4CB01# | |
| | | | | ±0.5pF | GJM0335C1E7R4DB01# | |
| | | | 7.5pF | ±0.05pF | GJM0335C1E7R5WB01# | |
| | | | | ±0.1pF | GJM0335C1E7R5BB01# | |
| | | | | ±0.25pF | GJM0335C1E7R5CB01# | |
| | | | | ±0.5pF | GJM0335C1E7R5DB01# | |
| | | | 7.6pF | ±0.05pF | GJM0335C1E7R6WB01# | |
| | | | | ±0.1pF | GJM0335C1E7R6BB01# | |
| | | | | ±0.25pF | GJM0335C1E7R6CB01# | |
| | | | | ±0.5pF | GJM0335C1E7R6DB01# | |
| | | | 7.7pF | ±0.05pF | GJM0335C1E7R7WB01# | |
| | | | | ±0.1pF | GJM0335C1E7R7BB01# | |
| | | | | ±0.25pF | GJM0335C1E7R7CB01# | |
| | | | | ±0.5pF | GJM0335C1E7R7DB01# | |
| | | | 7.8pF | ±0.05pF | GJM0335C1E7R8WB01# | |
| | | | | ±0.1pF | GJM0335C1E7R8BB01# | |
| | | | | ±0.25pF | GJM0335C1E7R8CB01# | |
| | | | | ±0.5pF | GJM0335C1E7R8DB01# | |
| | | | 7.9pF | ±0.05pF | GJM0335C1E7R9WB01# | |
| | | | | ±0.1pF | GJM0335C1E7R9BB01# | |
| | | | | ±0.25pF | GJM0335C1E7R9CB01# | |
| | | | | ±0.5pF | GJM0335C1E7R9DB01# | |
| | | | 8.0pF | ±0.05pF | GJM0335C1E8R0WB01# | |
| | | | | ±0.1pF | GJM0335C1E8R0BB01# | |
| | | | | ±0.25pF | GJM0335C1E8R0CB01# | |
| | | | | ±0.5pF | GJM0335C1E8R0DB01# | |
| | | | 8.1pF | ±0.05pF | GJM0335C1E8R1WB01# | |
| | | | | ±0.1pF | GJM0335C1E8R1BB01# | |
| | | | | ±0.25pF | GJM0335C1E8R1CB01# | |
| | | | | ±0.5pF | GJM0335C1E8R1DB01# | |
| | | | 8.2pF | ±0.05pF | GJM0335C1E8R2WB01# | |
| | | | | ±0.1pF | GJM0335C1E8R2BB01# | |
| | | | | ±0.25pF | GJM0335C1E8R2CB01# | |
| | | | | ±0.5pF | GJM0335C1E8R2DB01# | |
| | | | 8.3pF | ±0.05pF | GJM0335C1E8R3WB01# | |
| | | | | ±0.1pF | GJM0335C1E8R3BB01# | |
| | | | | ±0.25pF | GJM0335C1E8R3CB01# | |
| | | | | ±0.5pF | GJM0335C1E8R3DB01# | |
| | | | 8.4pF | ±0.05pF | GJM0335C1E8R4WB01# | |
| | | | | ±0.1pF | GJM0335C1E8R4BB01# | |
| | | | | ±0.25pF | GJM0335C1E8R4CB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 25Vdc | C0G | 8.4pF | ±0.5pF | GJM0335C1E8R4DB01# | |
| | | | 8.5pF | ±0.05pF | GJM0335C1E8R5WB01# | |
| | | | | ±0.1pF | GJM0335C1E8R5BB01# | |
| | | | | ±0.25pF | GJM0335C1E8R5CB01# | |
| | | | | ±0.5pF | GJM0335C1E8R5DB01# | |
| | | | 8.6pF | ±0.05pF | GJM0335C1E8R6WB01# | |
| | | | | ±0.1pF | GJM0335C1E8R6BB01# | |
| | | | | ±0.25pF | GJM0335C1E8R6CB01# | |
| | | | | ±0.5pF | GJM0335C1E8R6DB01# | |
| | | | 8.7pF | ±0.05pF | GJM0335C1E8R7WB01# | |
| | | | | ±0.1pF | GJM0335C1E8R7BB01# | |
| | | | | ±0.25pF | GJM0335C1E8R7CB01# | |
| | | | | ±0.5pF | GJM0335C1E8R7DB01# | |
| | | | 8.8pF | ±0.05pF | GJM0335C1E8R8WB01# | |
| | | | | ±0.1pF | GJM0335C1E8R8BB01# | |
| | | | | ±0.25pF | GJM0335C1E8R8CB01# | |
| | | | | ±0.5pF | GJM0335C1E8R8DB01# | |
| | | | 8.9pF | ±0.05pF | GJM0335C1E8R9WB01# | |
| | | | | ±0.1pF | GJM0335C1E8R9BB01# | |
| | | | | ±0.25pF | GJM0335C1E8R9CB01# | |
| | | | | ±0.5pF | GJM0335C1E8R9DB01# | |
| | | | 9.0pF | ±0.05pF | GJM0335C1E9R0WB01# | |
| | | | | ±0.1pF | GJM0335C1E9R0BB01# | |
| | | | | ±0.25pF | GJM0335C1E9R0CB01# | |
| | | | | ±0.5pF | GJM0335C1E9R0DB01# | |
| | | | 9.1pF | ±0.05pF | GJM0335C1E9R1WB01# | |
| | | | | ±0.1pF | GJM0335C1E9R1BB01# | |
| | | | | ±0.25pF | GJM0335C1E9R1CB01# | |
| | | | | ±0.5pF | GJM0335C1E9R1DB01# | |
| | | | 9.2pF | ±0.05pF | GJM0335C1E9R2WB01# | |
| | | | | ±0.1pF | GJM0335C1E9R2BB01# | |
| | | | | ±0.25pF | GJM0335C1E9R2CB01# | |
| | | | | ±0.5pF | GJM0335C1E9R2DB01# | |
| | | | 9.3pF | ±0.05pF | GJM0335C1E9R3WB01# | |
| | | | | ±0.1pF | GJM0335C1E9R3BB01# | |
| | | | | ±0.25pF | GJM0335C1E9R3CB01# | |
| | | | | ±0.5pF | GJM0335C1E9R3DB01# | |
| | | | 9.4pF | ±0.05pF | GJM0335C1E9R4WB01# | |
| | | | | ±0.1pF | GJM0335C1E9R4BB01# | |
| | | | | ±0.25pF | GJM0335C1E9R4CB01# | |
| | | | | ±0.5pF | GJM0335C1E9R4DB01# | |
| | | | 9.5pF | ±0.05pF | GJM0335C1E9R5WB01# | |
| | | | | ±0.1pF | GJM0335C1E9R5BB01# | |
| | | | | ±0.25pF | GJM0335C1E9R5CB01# | |
| | | | | ±0.5pF | GJM0335C1E9R5DB01# | |
| | | | 9.6pF | ±0.05pF | GJM0335C1E9R6WB01# | |
| | | | | ±0.1pF | GJM0335C1E9R6BB01# | |
| | | | | ±0.25pF | GJM0335C1E9R6CB01# | |
| | | | | ±0.5pF | GJM0335C1E9R6DB01# | |
| | | | 9.7pF | ±0.05pF | GJM0335C1E9R7WB01# | |
| | | | | ±0.1pF | GJM0335C1E9R7BB01# | |
| | | | | ±0.25pF | GJM0335C1E9R7CB01# | |
| | | | | ±0.5pF | GJM0335C1E9R7DB01# | |
| | | | 9.8pF | ±0.05pF | GJM0335C1E9R8WB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 25Vdc | C0G | 9.8pF | ±0.1pF | GJM0335C1E9R8BB01# | |
| | | | | ±0.25pF | GJM0335C1E9R8CB01# | |
| | | | | ±0.5pF | GJM0335C1E9R8DB01# | |
| | | | 9.9pF | ±0.05pF | GJM0335C1E9R9WB01# | |
| | | | | ±0.1pF | GJM0335C1E9R9BB01# | |
| | | | | ±0.25pF | GJM0335C1E9R9CB01# | |
| | | | | ±0.5pF | GJM0335C1E9R9DB01# | |
| | | | 10pF | ±2% | GJM0335C1E100GB01# | |
| | | | | ±5% | GJM0335C1E100JB01# | |
| | | | 11pF | ±2% | GJM0335C1E110GB01# | |
| | | | | ±5% | GJM0335C1E110JB01# | |
| | | | 12pF | ±2% | GJM0335C1E120GB01# | |
| | | | | ±5% | GJM0335C1E120JB01# | |
| | | | 13pF | ±2% | GJM0335C1E130GB01# | |
| | | | | ±5% | GJM0335C1E130JB01# | |
| | | | 15pF | ±2% | GJM0335C1E150GB01# | |
| | | | | ±5% | GJM0335C1E150JB01# | |
| | | | 16pF | ±2% | GJM0335C1E160GB01# | |
| | | | | ±5% | GJM0335C1E160JB01# | |
| | | | 18pF | ±2% | GJM0335C1E180GB01# | |
| | | | | ±5% | GJM0335C1E180JB01# | |
| | | | 20pF | ±2% | GJM0335C1E200GB01# | |
| | | | | ±5% | GJM0335C1E200JB01# | |
| | | | 22pF | ±2% | GJM0335C1E220GB01# | |
| | | | | ±5% | GJM0335C1E220JB01# | |
| | | | 24pF | ±2% | GJM0335C1E240GB01# | |
| | | | | ±5% | GJM0335C1E240JB01# | |
| | | | 27pF | ±2% | GJM0335C1E270GB01# | |
| | | | | ±5% | GJM0335C1E270JB01# | |
| | | | 30pF | ±2% | GJM0335C1E300GB01# | |
| | | | | ±5% | GJM0335C1E300JB01# | |
| | | | 33pF | ±2% | GJM0335C1E330GB01# | |
| | | | | ±5% | GJM0335C1E330JB01# | |
| | | CK | 1.0pF | ±0.05pF | GJM0334C1E1R0WB01# | |
| | | | | ±0.1pF | GJM0334C1E1R0BB01# | |
| | | | | ±0.25pF | GJM0334C1E1R0CB01# | |
| | | | 1.1pF | ±0.05pF | GJM0334C1E1R1WB01# | |
| | | | | ±0.1pF | GJM0334C1E1R1BB01# | |
| | | | | ±0.25pF | GJM0334C1E1R1CB01# | |
| | | | 1.2pF | ±0.05pF | GJM0334C1E1R2WB01# | |
| | | | | ±0.1pF | GJM0334C1E1R2BB01# | |
| | | | | ±0.25pF | GJM0334C1E1R2CB01# | |
| | | | 1.3pF | ±0.05pF | GJM0334C1E1R3WB01# | |
| | | | | ±0.1pF | GJM0334C1E1R3BB01# | |
| | | | | ±0.25pF | GJM0334C1E1R3CB01# | |
| | | | 1.4pF | ±0.05pF | GJM0334C1E1R4WB01# | |
| | | | | ±0.1pF | GJM0334C1E1R4BB01# | |
| | | | | ±0.25pF | GJM0334C1E1R4CB01# | |
| | | | 1.5pF | ±0.05pF | GJM0334C1E1R5WB01# | |
| | | | | ±0.1pF | GJM0334C1E1R5BB01# | |
| | | | | ±0.25pF | GJM0334C1E1R5CB01# | |
| | | | 1.6pF | ±0.05pF | GJM0334C1E1R6WB01# | |
| | | | | ±0.1pF | GJM0334C1E1R6BB01# | |
| | | | | ±0.25pF | GJM0334C1E1R6CB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 25Vdc | CK | 1.7pF | ±0.05pF | GJM0334C1E1R7WB01# | |
| | | | | ±0.1pF | GJM0334C1E1R7BB01# | |
| | | | | ±0.25pF | GJM0334C1E1R7CB01# | |
| | | | 1.8pF | ±0.05pF | GJM0334C1E1R8WB01# | |
| | | | | ±0.1pF | GJM0334C1E1R8BB01# | |
| | | | | ±0.25pF | GJM0334C1E1R8CB01# | |
| | | | 1.9pF | ±0.05pF | GJM0334C1E1R9WB01# | |
| | | | | ±0.1pF | GJM0334C1E1R9BB01# | |
| | | | | ±0.25pF | GJM0334C1E1R9CB01# | |
| | | | 2.0pF | ±0.05pF | GJM0334C1E2R0WB01# | |
| | | | | ±0.1pF | GJM0334C1E2R0BB01# | |
| | | | | ±0.25pF | GJM0334C1E2R0CB01# | |
| | | CJ | 2.1pF | ±0.05pF | GJM0333C1E2R1WB01# | |
| | | | | ±0.1pF | GJM0333C1E2R1BB01# | |
| | | | | ±0.25pF | GJM0333C1E2R1CB01# | |
| | | | 2.2pF | ±0.05pF | GJM0333C1E2R2WB01# | |
| | | | | ±0.1pF | GJM0333C1E2R2BB01# | |
| | | | | ±0.25pF | GJM0333C1E2R2CB01# | |
| | | | 2.3pF | ±0.05pF | GJM0333C1E2R3WB01# | |
| | | | | ±0.1pF | GJM0333C1E2R3BB01# | |
| | | | | ±0.25pF | GJM0333C1E2R3CB01# | |
| | | | 2.4pF | ±0.05pF | GJM0333C1E2R4WB01# | |
| | | | | ±0.1pF | GJM0333C1E2R4BB01# | |
| | | | | ±0.25pF | GJM0333C1E2R4CB01# | |
| | | | 2.5pF | ±0.05pF | GJM0333C1E2R5WB01# | |
| | | | | ±0.1pF | GJM0333C1E2R5BB01# | |
| | | | | ±0.25pF | GJM0333C1E2R5CB01# | |
| | | | 2.6pF | ±0.05pF | GJM0333C1E2R6WB01# | |
| | | | | ±0.1pF | GJM0333C1E2R6BB01# | |
| | | | | ±0.25pF | GJM0333C1E2R6CB01# | |
| | | | 2.7pF | ±0.05pF | GJM0333C1E2R7WB01# | |
| | | | | ±0.1pF | GJM0333C1E2R7BB01# | |
| | | | | ±0.25pF | GJM0333C1E2R7CB01# | |
| | | | 2.8pF | ±0.05pF | GJM0333C1E2R8WB01# | |
| | | | | ±0.1pF | GJM0333C1E2R8BB01# | |
| | | | | ±0.25pF | GJM0333C1E2R8CB01# | |
| | | | 2.9pF | ±0.05pF | GJM0333C1E2R9WB01# | |
| | | | | ±0.1pF | GJM0333C1E2R9BB01# | |
| | | | | ±0.25pF | GJM0333C1E2R9CB01# | |
| | | | 3.0pF | ±0.05pF | GJM0333C1E3R0WB01# | |
| | | | | ±0.1pF | GJM0333C1E3R0BB01# | |
| | | | | ±0.25pF | GJM0333C1E3R0CB01# | |
| | | | 3.1pF | ±0.05pF | GJM0333C1E3R1WB01# | |
| | | | | ±0.1pF | GJM0333C1E3R1BB01# | |
| | | | | ±0.25pF | GJM0333C1E3R1CB01# | |
| | | | 3.2pF | ±0.05pF | GJM0333C1E3R2WB01# | |
| | | | | ±0.1pF | GJM0333C1E3R2BB01# | |
| | | | | ±0.25pF | GJM0333C1E3R2CB01# | |
| | | | 3.3pF | ±0.05pF | GJM0333C1E3R3WB01# | |
| | | | | ±0.1pF | GJM0333C1E3R3BB01# | |
| | | | | ±0.25pF | GJM0333C1E3R3CB01# | |
| | | | 3.4pF | ±0.05pF | GJM0333C1E3R4WB01# | |
| | | | | ±0.1pF | GJM0333C1E3R4BB01# | |
| | | | | ±0.25pF | GJM0333C1E3R4CB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 25Vdc | CJ | 3.5pF | ±0.05pF | GJM0333C1E3R5WB01# | |
| | | | | ±0.1pF | GJM0333C1E3R5BB01# | |
| | | | | ±0.25pF | GJM0333C1E3R5CB01# | |
| | | | 3.6pF | ±0.05pF | GJM0333C1E3R6WB01# | |
| | | | | ±0.1pF | GJM0333C1E3R6BB01# | |
| | | | | ±0.25pF | GJM0333C1E3R6CB01# | |
| | | | 3.7pF | ±0.05pF | GJM0333C1E3R7WB01# | |
| | | | | ±0.1pF | GJM0333C1E3R7BB01# | |
| | | | | ±0.25pF | GJM0333C1E3R7CB01# | |
| | | | 3.8pF | ±0.05pF | GJM0333C1E3R8WB01# | |
| | | | | ±0.1pF | GJM0333C1E3R8BB01# | |
| | | | | ±0.25pF | GJM0333C1E3R8CB01# | |
| | | | 3.9pF | ±0.05pF | GJM0333C1E3R9WB01# | |
| | | | | ±0.1pF | GJM0333C1E3R9BB01# | |
| | | | | ±0.25pF | GJM0333C1E3R9CB01# | |
| | | CH | 4.0pF | ±0.05pF | GJM0332C1E4R0WB01# | |
| | | | | ±0.1pF | GJM0332C1E4R0BB01# | |
| | | | | ±0.25pF | GJM0332C1E4R0CB01# | |
| | | | 4.1pF | ±0.05pF | GJM0332C1E4R1WB01# | |
| | | | | ±0.1pF | GJM0332C1E4R1BB01# | |
| | | | | ±0.25pF | GJM0332C1E4R1CB01# | |
| | | | 4.2pF | ±0.05pF | GJM0332C1E4R2WB01# | |
| | | | | ±0.1pF | GJM0332C1E4R2BB01# | |
| | | | | ±0.25pF | GJM0332C1E4R2CB01# | |
| | | | 4.3pF | ±0.05pF | GJM0332C1E4R3WB01# | |
| | | | | ±0.1pF | GJM0332C1E4R3BB01# | |
| | | | | ±0.25pF | GJM0332C1E4R3CB01# | |
| | | | 4.4pF | ±0.05pF | GJM0332C1E4R4WB01# | |
| | | | | ±0.1pF | GJM0332C1E4R4BB01# | |
| | | | | ±0.25pF | GJM0332C1E4R4CB01# | |
| | | | 4.5pF | ±0.05pF | GJM0332C1E4R5WB01# | |
| | | | | ±0.1pF | GJM0332C1E4R5BB01# | |
| | | | | ±0.25pF | GJM0332C1E4R5CB01# | |
| | | | 4.6pF | ±0.05pF | GJM0332C1E4R6WB01# | |
| | | | | ±0.1pF | GJM0332C1E4R6BB01# | |
| | | | | ±0.25pF | GJM0332C1E4R6CB01# | |
| | | | 4.7pF | ±0.05pF | GJM0332C1E4R7WB01# | |
| | | | | ±0.1pF | GJM0332C1E4R7BB01# | |
| | | | | ±0.25pF | GJM0332C1E4R7CB01# | |
| | | | 4.8pF | ±0.05pF | GJM0332C1E4R8WB01# | |
| | | | | ±0.1pF | GJM0332C1E4R8BB01# | |
| | | | | ±0.25pF | GJM0332C1E4R8CB01# | |
| | | | 4.9pF | ±0.05pF | GJM0332C1E4R9WB01# | |
| | | | | ±0.1pF | GJM0332C1E4R9BB01# | |
| | | | | ±0.25pF | GJM0332C1E4R9CB01# | |
| | | | 5.0pF | ±0.05pF | GJM0332C1E5R0WB01# | |
| | | | | ±0.1pF | GJM0332C1E5R0BB01# | |
| | | | | ±0.25pF | GJM0332C1E5R0CB01# | |
| | | | 5.1pF | ±0.05pF | GJM0332C1E5R1WB01# | |
| | | | | ±0.1pF | GJM0332C1E5R1BB01# | |
| | | | | ±0.25pF | GJM0332C1E5R1CB01# | |
| | | | | ±0.5pF | GJM0332C1E5R1DB01# | |
| | | | 5.2pF | ±0.05pF | GJM0332C1E5R2WB01# | |
| | | | | ±0.1pF | GJM0332C1E5R2BB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 25Vdc | CH | 5.2pF | ±0.25pF | GJM0332C1E5R2CB01# | |
| | | | | ±0.5pF | GJM0332C1E5R2DB01# | |
| | | | 5.3pF | ±0.05pF | GJM0332C1E5R3WB01# | |
| | | | | ±0.1pF | GJM0332C1E5R3BB01# | |
| | | | | ±0.25pF | GJM0332C1E5R3CB01# | |
| | | | | ±0.5pF | GJM0332C1E5R3DB01# | |
| | | | 5.4pF | ±0.05pF | GJM0332C1E5R4WB01# | |
| | | | | ±0.1pF | GJM0332C1E5R4BB01# | |
| | | | | ±0.25pF | GJM0332C1E5R4CB01# | |
| | | | | ±0.5pF | GJM0332C1E5R4DB01# | |
| | | | 5.5pF | ±0.05pF | GJM0332C1E5R5WB01# | |
| | | | | ±0.1pF | GJM0332C1E5R5BB01# | |
| | | | | ±0.25pF | GJM0332C1E5R5CB01# | |
| | | | | ±0.5pF | GJM0332C1E5R5DB01# | |
| | | | 5.6pF | ±0.05pF | GJM0332C1E5R6WB01# | |
| | | | | ±0.1pF | GJM0332C1E5R6BB01# | |
| | | | | ±0.25pF | GJM0332C1E5R6CB01# | |
| | | | | ±0.5pF | GJM0332C1E5R6DB01# | |
| | | | 5.7pF | ±0.05pF | GJM0332C1E5R7WB01# | |
| | | | | ±0.1pF | GJM0332C1E5R7BB01# | |
| | | | | ±0.25pF | GJM0332C1E5R7CB01# | |
| | | | | ±0.5pF | GJM0332C1E5R7DB01# | |
| | | | 5.8pF | ±0.05pF | GJM0332C1E5R8WB01# | |
| | | | | ±0.1pF | GJM0332C1E5R8BB01# | |
| | | | | ±0.25pF | GJM0332C1E5R8CB01# | |
| | | | | ±0.5pF | GJM0332C1E5R8DB01# | |
| | | | 5.9pF | ±0.05pF | GJM0332C1E5R9WB01# | |
| | | | | ±0.1pF | GJM0332C1E5R9BB01# | |
| | | | | ±0.25pF | GJM0332C1E5R9CB01# | |
| | | | | ±0.5pF | GJM0332C1E5R9DB01# | |
| | | | 6.0pF | ±0.05pF | GJM0332C1E6R0WB01# | |
| | | | | ±0.1pF | GJM0332C1E6R0BB01# | |
| | | | | ±0.25pF | GJM0332C1E6R0CB01# | |
| | | | | ±0.5pF | GJM0332C1E6R0DB01# | |
| | | | 6.1pF | ±0.05pF | GJM0332C1E6R1WB01# | |
| | | | | ±0.1pF | GJM0332C1E6R1BB01# | |
| | | | | ±0.25pF | GJM0332C1E6R1CB01# | |
| | | | | ±0.5pF | GJM0332C1E6R1DB01# | |
| | | | 6.2pF | ±0.05pF | GJM0332C1E6R2WB01# | |
| | | | | ±0.1pF | GJM0332C1E6R2BB01# | |
| | | | | ±0.25pF | GJM0332C1E6R2CB01# | |
| | | | | ±0.5pF | GJM0332C1E6R2DB01# | |
| | | | 6.3pF | ±0.05pF | GJM0332C1E6R3WB01# | |
| | | | | ±0.1pF | GJM0332C1E6R3BB01# | |
| | | | | ±0.25pF | GJM0332C1E6R3CB01# | |
| | | | | ±0.5pF | GJM0332C1E6R3DB01# | |
| | | | 6.4pF | ±0.05pF | GJM0332C1E6R4WB01# | |
| | | | | ±0.1pF | GJM0332C1E6R4BB01# | |
| | | | | ±0.25pF | GJM0332C1E6R4CB01# | |
| | | | | ±0.5pF | GJM0332C1E6R4DB01# | |
| | | | 6.5pF | ±0.05pF | GJM0332C1E6R5WB01# | |
| | | | | ±0.1pF | GJM0332C1E6R5BB01# | |
| | | | | ±0.25pF | GJM0332C1E6R5CB01# | |
| | | | | ±0.5pF | GJM0332C1E6R5DB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 25Vdc | CH | 6.6pF | ±0.05pF | GJM0332C1E6R6WB01# | |
| | | | | ±0.1pF | GJM0332C1E6R6BB01# | |
| | | | | ±0.25pF | GJM0332C1E6R6CB01# | |
| | | | | ±0.5pF | GJM0332C1E6R6DB01# | |
| | | | 6.7pF | ±0.05pF | GJM0332C1E6R7WB01# | |
| | | | | ±0.1pF | GJM0332C1E6R7BB01# | |
| | | | | ±0.25pF | GJM0332C1E6R7CB01# | |
| | | | | ±0.5pF | GJM0332C1E6R7DB01# | |
| | | | 6.8pF | ±0.05pF | GJM0332C1E6R8WB01# | |
| | | | | ±0.1pF | GJM0332C1E6R8BB01# | |
| | | | | ±0.25pF | GJM0332C1E6R8CB01# | |
| | | | | ±0.5pF | GJM0332C1E6R8DB01# | |
| | | | 6.9pF | ±0.05pF | GJM0332C1E6R9WB01# | |
| | | | | ±0.1pF | GJM0332C1E6R9BB01# | |
| | | | | ±0.25pF | GJM0332C1E6R9CB01# | |
| | | | | ±0.5pF | GJM0332C1E6R9DB01# | |
| | | | 7.0pF | ±0.05pF | GJM0332C1E7R0WB01# | |
| | | | | ±0.1pF | GJM0332C1E7R0BB01# | |
| | | | | ±0.25pF | GJM0332C1E7R0CB01# | |
| | | | | ±0.5pF | GJM0332C1E7R0DB01# | |
| | | | 7.1pF | ±0.05pF | GJM0332C1E7R1WB01# | |
| | | | | ±0.1pF | GJM0332C1E7R1BB01# | |
| | | | | ±0.25pF | GJM0332C1E7R1CB01# | |
| | | | | ±0.5pF | GJM0332C1E7R1DB01# | |
| | | | 7.2pF | ±0.05pF | GJM0332C1E7R2WB01# | |
| | | | | ±0.1pF | GJM0332C1E7R2BB01# | |
| | | | | ±0.25pF | GJM0332C1E7R2CB01# | |
| | | | | ±0.5pF | GJM0332C1E7R2DB01# | |
| | | | 7.3pF | ±0.05pF | GJM0332C1E7R3WB01# | |
| | | | | ±0.1pF | GJM0332C1E7R3BB01# | |
| | | | | ±0.25pF | GJM0332C1E7R3CB01# | |
| | | | | ±0.5pF | GJM0332C1E7R3DB01# | |
| | | | 7.4pF | ±0.05pF | GJM0332C1E7R4WB01# | |
| | | | | ±0.1pF | GJM0332C1E7R4BB01# | |
| | | | | ±0.25pF | GJM0332C1E7R4CB01# | |
| | | | | ±0.5pF | GJM0332C1E7R4DB01# | |
| | | | 7.5pF | ±0.05pF | GJM0332C1E7R5WB01# | |
| | | | | ±0.1pF | GJM0332C1E7R5BB01# | |
| | | | | ±0.25pF | GJM0332C1E7R5CB01# | |
| | | | | ±0.5pF | GJM0332C1E7R5DB01# | |
| | | | 7.6pF | ±0.05pF | GJM0332C1E7R6WB01# | |
| | | | | ±0.1pF | GJM0332C1E7R6BB01# | |
| | | | | ±0.25pF | GJM0332C1E7R6CB01# | |
| | | | | ±0.5pF | GJM0332C1E7R6DB01# | |
| | | | 7.7pF | ±0.05pF | GJM0332C1E7R7WB01# | |
| | | | | ±0.1pF | GJM0332C1E7R7BB01# | |
| | | | | ±0.25pF | GJM0332C1E7R7CB01# | |
| | | | | ±0.5pF | GJM0332C1E7R7DB01# | |
| | | | 7.8pF | ±0.05pF | GJM0332C1E7R8WB01# | |
| | | | | ±0.1pF | GJM0332C1E7R8BB01# | |
| | | | | ±0.25pF | GJM0332C1E7R8CB01# | |
| | | | | ±0.5pF | GJM0332C1E7R8DB01# | |
| | | | 7.9pF | ±0.05pF | GJM0332C1E7R9WB01# | |
| | | | | ±0.1pF | GJM0332C1E7R9BB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 25Vdc | CH | 7.9pF | ±0.25pF | GJM0332C1E7R9CB01# | |
| | | | | ±0.5pF | GJM0332C1E7R9DB01# | |
| | | | 8.0pF | ±0.05pF | GJM0332C1E8R0WB01# | |
| | | | | ±0.1pF | GJM0332C1E8R0BB01# | |
| | | | | ±0.25pF | GJM0332C1E8R0CB01# | |
| | | | | ±0.5pF | GJM0332C1E8R0DB01# | |
| | | | 8.1pF | ±0.05pF | GJM0332C1E8R1WB01# | |
| | | | | ±0.1pF | GJM0332C1E8R1BB01# | |
| | | | | ±0.25pF | GJM0332C1E8R1CB01# | |
| | | | | ±0.5pF | GJM0332C1E8R1DB01# | |
| | | | 8.2pF | ±0.05pF | GJM0332C1E8R2WB01# | |
| | | | | ±0.1pF | GJM0332C1E8R2BB01# | |
| | | | | ±0.25pF | GJM0332C1E8R2CB01# | |
| | | | | ±0.5pF | GJM0332C1E8R2DB01# | |
| | | | 8.3pF | ±0.05pF | GJM0332C1E8R3WB01# | |
| | | | | ±0.1pF | GJM0332C1E8R3BB01# | |
| | | | | ±0.25pF | GJM0332C1E8R3CB01# | |
| | | | | ±0.5pF | GJM0332C1E8R3DB01# | |
| | | | 8.4pF | ±0.05pF | GJM0332C1E8R4WB01# | |
| | | | | ±0.1pF | GJM0332C1E8R4BB01# | |
| | | | | ±0.25pF | GJM0332C1E8R4CB01# | |
| | | | | ±0.5pF | GJM0332C1E8R4DB01# | |
| | | | 8.5pF | ±0.05pF | GJM0332C1E8R5WB01# | |
| | | | | ±0.1pF | GJM0332C1E8R5BB01# | |
| | | | | ±0.25pF | GJM0332C1E8R5CB01# | |
| | | | | ±0.5pF | GJM0332C1E8R5DB01# | |
| | | | 8.6pF | ±0.05pF | GJM0332C1E8R6WB01# | |
| | | | | ±0.1pF | GJM0332C1E8R6BB01# | |
| | | | | ±0.25pF | GJM0332C1E8R6CB01# | |
| | | | | ±0.5pF | GJM0332C1E8R6DB01# | |
| | | | 8.7pF | ±0.05pF | GJM0332C1E8R7WB01# | |
| | | | | ±0.1pF | GJM0332C1E8R7BB01# | |
| | | | | ±0.25pF | GJM0332C1E8R7CB01# | |
| | | | | ±0.5pF | GJM0332C1E8R7DB01# | |
| | | | 8.8pF | ±0.05pF | GJM0332C1E8R8WB01# | |
| | | | | ±0.1pF | GJM0332C1E8R8BB01# | |
| | | | | ±0.25pF | GJM0332C1E8R8CB01# | |
| | | | | ±0.5pF | GJM0332C1E8R8DB01# | |
| | | | 8.9pF | ±0.05pF | GJM0332C1E8R9WB01# | |
| | | | | ±0.1pF | GJM0332C1E8R9BB01# | |
| | | | | ±0.25pF | GJM0332C1E8R9CB01# | |
| | | | | ±0.5pF | GJM0332C1E8R9DB01# | |
| | | | 9.0pF | ±0.05pF | GJM0332C1E9R0WB01# | |
| | | | | ±0.1pF | GJM0332C1E9R0BB01# | |
| | | | | ±0.25pF | GJM0332C1E9R0CB01# | |
| | | | | ±0.5pF | GJM0332C1E9R0DB01# | |
| | | | 9.1pF | ±0.05pF | GJM0332C1E9R1WB01# | |
| | | | | ±0.1pF | GJM0332C1E9R1BB01# | |
| | | | | ±0.25pF | GJM0332C1E9R1CB01# | |
| | | | | ±0.5pF | GJM0332C1E9R1DB01# | |
| | | | 9.2pF | ±0.05pF | GJM0332C1E9R2WB01# | |
| | | | | ±0.1pF | GJM0332C1E9R2BB01# | |
| | | | | ±0.25pF | GJM0332C1E9R2CB01# | |
| | | | | ±0.5pF | GJM0332C1E9R2DB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 0.6×0.3mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 25Vdc | CH | 9.3pF | ±0.05pF | GJM0332C1E9R3WB01# | |
| | | | | ±0.1pF | GJM0332C1E9R3BB01# | |
| | | | | ±0.25pF | GJM0332C1E9R3CB01# | |
| | | | | ±0.5pF | GJM0332C1E9R3DB01# | |
| | | | 9.4pF | ±0.05pF | GJM0332C1E9R4WB01# | |
| | | | | ±0.1pF | GJM0332C1E9R4BB01# | |
| | | | | ±0.25pF | GJM0332C1E9R4CB01# | |
| | | | | ±0.5pF | GJM0332C1E9R4DB01# | |
| | | | 9.5pF | ±0.05pF | GJM0332C1E9R5WB01# | |
| | | | | ±0.1pF | GJM0332C1E9R5BB01# | |
| | | | | ±0.25pF | GJM0332C1E9R5CB01# | |
| | | | | ±0.5pF | GJM0332C1E9R5DB01# | |
| | | | 9.6pF | ±0.05pF | GJM0332C1E9R6WB01# | |
| | | | | ±0.1pF | GJM0332C1E9R6BB01# | |
| | | | | ±0.25pF | GJM0332C1E9R6CB01# | |
| | | | | ±0.5pF | GJM0332C1E9R6DB01# | |
| | | | 9.7pF | ±0.05pF | GJM0332C1E9R7WB01# | |
| | | | | ±0.1pF | GJM0332C1E9R7BB01# | |
| | | | | ±0.25pF | GJM0332C1E9R7CB01# | |
| | | | | ±0.5pF | GJM0332C1E9R7DB01# | |
| | | | 9.8pF | ±0.05pF | GJM0332C1E9R8WB01# | |
| | | | | ±0.1pF | GJM0332C1E9R8BB01# | |
| | | | | ±0.25pF | GJM0332C1E9R8CB01# | |
| | | | | ±0.5pF | GJM0332C1E9R8DB01# | |
| | | | 9.9pF | ±0.05pF | GJM0332C1E9R9WB01# | |
| | | | | ±0.1pF | GJM0332C1E9R9BB01# | |
| | | | | ±0.25pF | GJM0332C1E9R9CB01# | |
| | | | | ±0.5pF | GJM0332C1E9R9DB01# | |
| | | | 10pF | ±2% | GJM0332C1E100GB01# | |
| | | | | ±5% | GJM0332C1E100JB01# | |
| | | | 11pF | ±2% | GJM0332C1E110GB01# | |
| | | | | ±5% | GJM0332C1E110JB01# | |
| | | | 12pF | ±2% | GJM0332C1E120GB01# | |
| | | | | ±5% | GJM0332C1E120JB01# | |
| | | | 13pF | ±2% | GJM0332C1E130GB01# | |
| | | | | ±5% | GJM0332C1E130JB01# | |
| | | | 15pF | ±2% | GJM0332C1E150GB01# | |
| | | | | ±5% | GJM0332C1E150JB01# | |
| | | | 16pF | ±2% | GJM0332C1E160GB01# | |
| | | | | ±5% | GJM0332C1E160JB01# | |
| | | | 18pF | ±2% | GJM0332C1E180GB01# | |
| | | | | ±5% | GJM0332C1E180JB01# | |
| | | | 20pF | ±2% | GJM0332C1E200GB01# | |
| | | | | ±5% | GJM0332C1E200JB01# | |
| | | | 22pF | ±2% | GJM0332C1E220GB01# | |
| | | | | ±5% | GJM0332C1E220JB01# | |
| | | | 24pF | ±2% | GJM0332C1E240GB01# | |
| | | | | ±5% | GJM0332C1E240JB01# | |
| | | | 27pF | ±2% | GJM0332C1E270GB01# | |
| | | | | ±5% | GJM0332C1E270JB01# | |
| | | | 30pF | ±2% | GJM0332C1E300GB01# | |
| | | | | ±5% | GJM0332C1E300JB01# | |
| | | | 33pF | ±2% | GJM0332C1E330GB01# | |
| | | | | ±5% | GJM0332C1E330JB01# | |

1.0×0.5mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 0.10pF | ±0.05pF | GJM1555C1HR10WB01# | |
| | | | | ±0.1pF | GJM1555C1HR10BB01# | |
| | | | 0.20pF | ±0.05pF | GJM1555C1HR20WB01# | |
| | | | | ±0.1pF | GJM1555C1HR20BB01# | |
| | | | 0.30pF | ±0.05pF | GJM1555C1HR30WB01# | |
| | | | | ±0.1pF | GJM1555C1HR30BB01# | |
| | | | 0.40pF | ±0.05pF | GJM1555C1HR40WB01# | |
| | | | | ±0.1pF | GJM1555C1HR40BB01# | |
| | | | 0.50pF | ±0.05pF | GJM1555C1HR50WB01# | |
| | | | | ±0.1pF | GJM1555C1HR50BB01# | |
| | | | 0.60pF | ±0.05pF | GJM1555C1HR60WB01# | |
| | | | | ±0.1pF | GJM1555C1HR60BB01# | |
| | | | 0.70pF | ±0.05pF | GJM1555C1HR70WB01# | |
| | | | | ±0.1pF | GJM1555C1HR70BB01# | |
| | | | 0.80pF | ±0.05pF | GJM1555C1HR80WB01# | |
| | | | | ±0.1pF | GJM1555C1HR80BB01# | |
| | | | 0.90pF | ±0.05pF | GJM1555C1HR90WB01# | |
| | | | | ±0.1pF | GJM1555C1HR90BB01# | |
| | | | 1.0pF | ±0.05pF | GJM1555C1H1R0WB01# | |
| | | | | ±0.1pF | GJM1555C1H1R0BB01# | |
| | | | | ±0.25pF | GJM1555C1H1R0CB01# | |
| | | | 1.1pF | ±0.05pF | GJM1555C1H1R1WB01# | |
| | | | | ±0.1pF | GJM1555C1H1R1BB01# | |
| | | | | ±0.25pF | GJM1555C1H1R1CB01# | |
| | | | 1.2pF | ±0.05pF | GJM1555C1H1R2WB01# | |
| | | | | ±0.1pF | GJM1555C1H1R2BB01# | |
| | | | | ±0.25pF | GJM1555C1H1R2CB01# | |
| | | | 1.3pF | ±0.05pF | GJM1555C1H1R3WB01# | |
| | | | | ±0.1pF | GJM1555C1H1R3BB01# | |
| | | | | ±0.25pF | GJM1555C1H1R3CB01# | |
| | | | 1.4pF | ±0.05pF | GJM1555C1H1R4WB01# | |
| | | | | ±0.1pF | GJM1555C1H1R4BB01# | |
| | | | | ±0.25pF | GJM1555C1H1R4CB01# | |
| | | | 1.5pF | ±0.05pF | GJM1555C1H1R5WB01# | |
| | | | | ±0.1pF | GJM1555C1H1R5BB01# | |
| | | | | ±0.25pF | GJM1555C1H1R5CB01# | |
| | | | 1.6pF | ±0.05pF | GJM1555C1H1R6WB01# | |
| | | | | ±0.1pF | GJM1555C1H1R6BB01# | |
| | | | | ±0.25pF | GJM1555C1H1R6CB01# | |
| | | | 1.7pF | ±0.05pF | GJM1555C1H1R7WB01# | |
| | | | | ±0.1pF | GJM1555C1H1R7BB01# | |
| | | | | ±0.25pF | GJM1555C1H1R7CB01# | |
| | | | 1.8pF | ±0.05pF | GJM1555C1H1R8WB01# | |
| | | | | ±0.1pF | GJM1555C1H1R8BB01# | |
| | | | | ±0.25pF | GJM1555C1H1R8CB01# | |
| | | | 1.9pF | ±0.05pF | GJM1555C1H1R9WB01# | |
| | | | | ±0.1pF | GJM1555C1H1R9BB01# | |
| | | | | ±0.25pF | GJM1555C1H1R9CB01# | |
| | | | 2.0pF | ±0.05pF | GJM1555C1H2R0WB01# | |
| | | | | ±0.1pF | GJM1555C1H2R0BB01# | |
| | | | | ±0.25pF | GJM1555C1H2R0CB01# | |
| | | | 2.1pF | ±0.05pF | GJM1555C1H2R1WB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 2.1pF | ±0.1pF | GJM1555C1H2R1BB01# | |
| | | | | ±0.25pF | GJM1555C1H2R1CB01# | |
| | | | 2.2pF | ±0.05pF | GJM1555C1H2R2WB01# | |
| | | | | ±0.1pF | GJM1555C1H2R2BB01# | |
| | | | | ±0.25pF | GJM1555C1H2R2CB01# | |
| | | | 2.3pF | ±0.05pF | GJM1555C1H2R3WB01# | |
| | | | | ±0.1pF | GJM1555C1H2R3BB01# | |
| | | | | ±0.25pF | GJM1555C1H2R3CB01# | |
| | | | 2.4pF | ±0.05pF | GJM1555C1H2R4WB01# | |
| | | | | ±0.1pF | GJM1555C1H2R4BB01# | |
| | | | | ±0.25pF | GJM1555C1H2R4CB01# | |
| | | | 2.5pF | ±0.05pF | GJM1555C1H2R5WB01# | |
| | | | | ±0.1pF | GJM1555C1H2R5BB01# | |
| | | | | ±0.25pF | GJM1555C1H2R5CB01# | |
| | | | 2.6pF | ±0.05pF | GJM1555C1H2R6WB01# | |
| | | | | ±0.1pF | GJM1555C1H2R6BB01# | |
| | | | | ±0.25pF | GJM1555C1H2R6CB01# | |
| | | | 2.7pF | ±0.05pF | GJM1555C1H2R7WB01# | |
| | | | | ±0.1pF | GJM1555C1H2R7BB01# | |
| | | | | ±0.25pF | GJM1555C1H2R7CB01# | |
| | | | 2.8pF | ±0.05pF | GJM1555C1H2R8WB01# | |
| | | | | ±0.1pF | GJM1555C1H2R8BB01# | |
| | | | | ±0.25pF | GJM1555C1H2R8CB01# | |
| | | | 2.9pF | ±0.05pF | GJM1555C1H2R9WB01# | |
| | | | | ±0.1pF | GJM1555C1H2R9BB01# | |
| | | | | ±0.25pF | GJM1555C1H2R9CB01# | |
| | | | 3.0pF | ±0.05pF | GJM1555C1H3R0WB01# | |
| | | | | ±0.1pF | GJM1555C1H3R0BB01# | |
| | | | | ±0.25pF | GJM1555C1H3R0CB01# | |
| | | | 3.1pF | ±0.05pF | GJM1555C1H3R1WB01# | |
| | | | | ±0.1pF | GJM1555C1H3R1BB01# | |
| | | | | ±0.25pF | GJM1555C1H3R1CB01# | |
| | | | 3.2pF | ±0.05pF | GJM1555C1H3R2WB01# | |
| | | | | ±0.1pF | GJM1555C1H3R2BB01# | |
| | | | | ±0.25pF | GJM1555C1H3R2CB01# | |
| | | | 3.3pF | ±0.05pF | GJM1555C1H3R3WB01# | |
| | | | | ±0.1pF | GJM1555C1H3R3BB01# | |
| | | | | ±0.25pF | GJM1555C1H3R3CB01# | |
| | | | 3.4pF | ±0.05pF | GJM1555C1H3R4WB01# | |
| | | | | ±0.1pF | GJM1555C1H3R4BB01# | |
| | | | | ±0.25pF | GJM1555C1H3R4CB01# | |
| | | | 3.5pF | ±0.05pF | GJM1555C1H3R5WB01# | |
| | | | | ±0.1pF | GJM1555C1H3R5BB01# | |
| | | | | ±0.25pF | GJM1555C1H3R5CB01# | |
| | | | 3.6pF | ±0.05pF | GJM1555C1H3R6WB01# | |
| | | | | ±0.1pF | GJM1555C1H3R6BB01# | |
| | | | | ±0.25pF | GJM1555C1H3R6CB01# | |
| | | | 3.7pF | ±0.05pF | GJM1555C1H3R7WB01# | |
| | | | | ±0.1pF | GJM1555C1H3R7BB01# | |
| | | | | ±0.25pF | GJM1555C1H3R7CB01# | |
| | | | 3.8pF | ±0.05pF | GJM1555C1H3R8WB01# | |
| | | | | ±0.1pF | GJM1555C1H3R8BB01# | |
| | | | | ±0.25pF | GJM1555C1H3R8CB01# | |
| | | | 3.9pF | ±0.05pF | GJM1555C1H3R9WB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 3.9pF | ±0.1pF | GJM1555C1H3R9BB01# | |
| | | | | ±0.25pF | GJM1555C1H3R9CB01# | |
| | | | 4.0pF | ±0.05pF | GJM1555C1H4R0WB01# | |
| | | | | ±0.1pF | GJM1555C1H4R0BB01# | |
| | | | | ±0.25pF | GJM1555C1H4R0CB01# | |
| | | | 4.1pF | ±0.05pF | GJM1555C1H4R1WB01# | |
| | | | | ±0.1pF | GJM1555C1H4R1BB01# | |
| | | | | ±0.25pF | GJM1555C1H4R1CB01# | |
| | | | 4.2pF | ±0.05pF | GJM1555C1H4R2WB01# | |
| | | | | ±0.1pF | GJM1555C1H4R2BB01# | |
| | | | | ±0.25pF | GJM1555C1H4R2CB01# | |
| | | | 4.3pF | ±0.05pF | GJM1555C1H4R3WB01# | |
| | | | | ±0.1pF | GJM1555C1H4R3BB01# | |
| | | | | ±0.25pF | GJM1555C1H4R3CB01# | |
| | | | 4.4pF | ±0.05pF | GJM1555C1H4R4WB01# | |
| | | | | ±0.1pF | GJM1555C1H4R4BB01# | |
| | | | | ±0.25pF | GJM1555C1H4R4CB01# | |
| | | | 4.5pF | ±0.05pF | GJM1555C1H4R5WB01# | |
| | | | | ±0.1pF | GJM1555C1H4R5BB01# | |
| | | | | ±0.25pF | GJM1555C1H4R5CB01# | |
| | | | 4.6pF | ±0.05pF | GJM1555C1H4R6WB01# | |
| | | | | ±0.1pF | GJM1555C1H4R6BB01# | |
| | | | | ±0.25pF | GJM1555C1H4R6CB01# | |
| | | | 4.7pF | ±0.05pF | GJM1555C1H4R7WB01# | |
| | | | | ±0.1pF | GJM1555C1H4R7BB01# | |
| | | | | ±0.25pF | GJM1555C1H4R7CB01# | |
| | | | 4.8pF | ±0.05pF | GJM1555C1H4R8WB01# | |
| | | | | ±0.1pF | GJM1555C1H4R8BB01# | |
| | | | | ±0.25pF | GJM1555C1H4R8CB01# | |
| | | | 4.9pF | ±0.05pF | GJM1555C1H4R9WB01# | |
| | | | | ±0.1pF | GJM1555C1H4R9BB01# | |
| | | | | ±0.25pF | GJM1555C1H4R9CB01# | |
| | | | 5.0pF | ±0.05pF | GJM1555C1H5R0WB01# | |
| | | | | ±0.1pF | GJM1555C1H5R0BB01# | |
| | | | | ±0.25pF | GJM1555C1H5R0CB01# | |
| | | | 5.1pF | ±0.05pF | GJM1555C1H5R1WB01# | |
| | | | | ±0.1pF | GJM1555C1H5R1BB01# | |
| | | | | ±0.25pF | GJM1555C1H5R1CB01# | |
| | | | | ±0.5pF | GJM1555C1H5R1DB01# | |
| | | | 5.2pF | ±0.05pF | GJM1555C1H5R2WB01# | |
| | | | | ±0.1pF | GJM1555C1H5R2BB01# | |
| | | | | ±0.25pF | GJM1555C1H5R2CB01# | |
| | | | | ±0.5pF | GJM1555C1H5R2DB01# | |
| | | | 5.3pF | ±0.05pF | GJM1555C1H5R3WB01# | |
| | | | | ±0.1pF | GJM1555C1H5R3BB01# | |
| | | | | ±0.25pF | GJM1555C1H5R3CB01# | |
| | | | | ±0.5pF | GJM1555C1H5R3DB01# | |
| | | | 5.4pF | ±0.05pF | GJM1555C1H5R4WB01# | |
| | | | | ±0.1pF | GJM1555C1H5R4BB01# | |
| | | | | ±0.25pF | GJM1555C1H5R4CB01# | |
| | | | | ±0.5pF | GJM1555C1H5R4DB01# | |
| | | | 5.5pF | ±0.05pF | GJM1555C1H5R5WB01# | |
| | | | | ±0.1pF | GJM1555C1H5R5BB01# | |
| | | | | ±0.25pF | GJM1555C1H5R5CB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 5.5pF | ±0.5pF | GJM1555C1H5R5DB01# | |
| | | | 5.6pF | ±0.05pF | GJM1555C1H5R6WB01# | |
| | | | | ±0.1pF | GJM1555C1H5R6BB01# | |
| | | | | ±0.25pF | GJM1555C1H5R6CB01# | |
| | | | | ±0.5pF | GJM1555C1H5R6DB01# | |
| | | | 5.7pF | ±0.05pF | GJM1555C1H5R7WB01# | |
| | | | | ±0.1pF | GJM1555C1H5R7BB01# | |
| | | | | ±0.25pF | GJM1555C1H5R7CB01# | |
| | | | | ±0.5pF | GJM1555C1H5R7DB01# | |
| | | | 5.8pF | ±0.05pF | GJM1555C1H5R8WB01# | |
| | | | | ±0.1pF | GJM1555C1H5R8BB01# | |
| | | | | ±0.25pF | GJM1555C1H5R8CB01# | |
| | | | | ±0.5pF | GJM1555C1H5R8DB01# | |
| | | | 5.9pF | ±0.05pF | GJM1555C1H5R9WB01# | |
| | | | | ±0.1pF | GJM1555C1H5R9BB01# | |
| | | | | ±0.25pF | GJM1555C1H5R9CB01# | |
| | | | | ±0.5pF | GJM1555C1H5R9DB01# | |
| | | | 6.0pF | ±0.05pF | GJM1555C1H6R0WB01# | |
| | | | | ±0.1pF | GJM1555C1H6R0BB01# | |
| | | | | ±0.25pF | GJM1555C1H6R0CB01# | |
| | | | | ±0.5pF | GJM1555C1H6R0DB01# | |
| | | | 6.1pF | ±0.05pF | GJM1555C1H6R1WB01# | |
| | | | | ±0.1pF | GJM1555C1H6R1BB01# | |
| | | | | ±0.25pF | GJM1555C1H6R1CB01# | |
| | | | | ±0.5pF | GJM1555C1H6R1DB01# | |
| | | | 6.2pF | ±0.05pF | GJM1555C1H6R2WB01# | |
| | | | | ±0.1pF | GJM1555C1H6R2BB01# | |
| | | | | ±0.25pF | GJM1555C1H6R2CB01# | |
| | | | | ±0.5pF | GJM1555C1H6R2DB01# | |
| | | | 6.3pF | ±0.05pF | GJM1555C1H6R3WB01# | |
| | | | | ±0.1pF | GJM1555C1H6R3BB01# | |
| | | | | ±0.25pF | GJM1555C1H6R3CB01# | |
| | | | | ±0.5pF | GJM1555C1H6R3DB01# | |
| | | | 6.4pF | ±0.05pF | GJM1555C1H6R4WB01# | |
| | | | | ±0.1pF | GJM1555C1H6R4BB01# | |
| | | | | ±0.25pF | GJM1555C1H6R4CB01# | |
| | | | | ±0.5pF | GJM1555C1H6R4DB01# | |
| | | | 6.5pF | ±0.05pF | GJM1555C1H6R5WB01# | |
| | | | | ±0.1pF | GJM1555C1H6R5BB01# | |
| | | | | ±0.25pF | GJM1555C1H6R5CB01# | |
| | | | | ±0.5pF | GJM1555C1H6R5DB01# | |
| | | | 6.6pF | ±0.05pF | GJM1555C1H6R6WB01# | |
| | | | | ±0.1pF | GJM1555C1H6R6BB01# | |
| | | | | ±0.25pF | GJM1555C1H6R6CB01# | |
| | | | | ±0.5pF | GJM1555C1H6R6DB01# | |
| | | | 6.7pF | ±0.05pF | GJM1555C1H6R7WB01# | |
| | | | | ±0.1pF | GJM1555C1H6R7BB01# | |
| | | | | ±0.25pF | GJM1555C1H6R7CB01# | |
| | | | | ±0.5pF | GJM1555C1H6R7DB01# | |
| | | | 6.8pF | ±0.05pF | GJM1555C1H6R8WB01# | |
| | | | | ±0.1pF | GJM1555C1H6R8BB01# | |
| | | | | ±0.25pF | GJM1555C1H6R8CB01# | |
| | | | | ±0.5pF | GJM1555C1H6R8DB01# | |
| | | | 6.9pF | ±0.05pF | GJM1555C1H6R9WB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 6.9pF | ±0.1pF | GJM1555C1H6R9BB01# | |
| | | | | ±0.25pF | GJM1555C1H6R9CB01# | |
| | | | | ±0.5pF | GJM1555C1H6R9DB01# | |
| | | | 7.0pF | ±0.05pF | GJM1555C1H7R0WB01# | |
| | | | | ±0.1pF | GJM1555C1H7R0BB01# | |
| | | | | ±0.25pF | GJM1555C1H7R0CB01# | |
| | | | | ±0.5pF | GJM1555C1H7R0DB01# | |
| | | | 7.1pF | ±0.05pF | GJM1555C1H7R1WB01# | |
| | | | | ±0.1pF | GJM1555C1H7R1BB01# | |
| | | | | ±0.25pF | GJM1555C1H7R1CB01# | |
| | | | | ±0.5pF | GJM1555C1H7R1DB01# | |
| | | | 7.2pF | ±0.05pF | GJM1555C1H7R2WB01# | |
| | | | | ±0.1pF | GJM1555C1H7R2BB01# | |
| | | | | ±0.25pF | GJM1555C1H7R2CB01# | |
| | | | | ±0.5pF | GJM1555C1H7R2DB01# | |
| | | | 7.3pF | ±0.05pF | GJM1555C1H7R3WB01# | |
| | | | | ±0.1pF | GJM1555C1H7R3BB01# | |
| | | | | ±0.25pF | GJM1555C1H7R3CB01# | |
| | | | | ±0.5pF | GJM1555C1H7R3DB01# | |
| | | | 7.4pF | ±0.05pF | GJM1555C1H7R4WB01# | |
| | | | | ±0.1pF | GJM1555C1H7R4BB01# | |
| | | | | ±0.25pF | GJM1555C1H7R4CB01# | |
| | | | | ±0.5pF | GJM1555C1H7R4DB01# | |
| | | | 7.5pF | ±0.05pF | GJM1555C1H7R5WB01# | |
| | | | | ±0.1pF | GJM1555C1H7R5BB01# | |
| | | | | ±0.25pF | GJM1555C1H7R5CB01# | |
| | | | | ±0.5pF | GJM1555C1H7R5DB01# | |
| | | | 7.6pF | ±0.05pF | GJM1555C1H7R6WB01# | |
| | | | | ±0.1pF | GJM1555C1H7R6BB01# | |
| | | | | ±0.25pF | GJM1555C1H7R6CB01# | |
| | | | | ±0.5pF | GJM1555C1H7R6DB01# | |
| | | | 7.7pF | ±0.05pF | GJM1555C1H7R7WB01# | |
| | | | | ±0.1pF | GJM1555C1H7R7BB01# | |
| | | | | ±0.25pF | GJM1555C1H7R7CB01# | |
| | | | | ±0.5pF | GJM1555C1H7R7DB01# | |
| | | | 7.8pF | ±0.05pF | GJM1555C1H7R8WB01# | |
| | | | | ±0.1pF | GJM1555C1H7R8BB01# | |
| | | | | ±0.25pF | GJM1555C1H7R8CB01# | |
| | | | | ±0.5pF | GJM1555C1H7R8DB01# | |
| | | | 7.9pF | ±0.05pF | GJM1555C1H7R9WB01# | |
| | | | | ±0.1pF | GJM1555C1H7R9BB01# | |
| | | | | ±0.25pF | GJM1555C1H7R9CB01# | |
| | | | | ±0.5pF | GJM1555C1H7R9DB01# | |
| | | | 8.0pF | ±0.05pF | GJM1555C1H8R0WB01# | |
| | | | | ±0.1pF | GJM1555C1H8R0BB01# | |
| | | | | ±0.25pF | GJM1555C1H8R0CB01# | |
| | | | | ±0.5pF | GJM1555C1H8R0DB01# | |
| | | | 8.1pF | ±0.05pF | GJM1555C1H8R1WB01# | |
| | | | | ±0.1pF | GJM1555C1H8R1BB01# | |
| | | | | ±0.25pF | GJM1555C1H8R1CB01# | |
| | | | | ±0.5pF | GJM1555C1H8R1DB01# | |
| | | | 8.2pF | ±0.05pF | GJM1555C1H8R2WB01# | |
| | | | | ±0.1pF | GJM1555C1H8R2BB01# | |
| | | | | ±0.25pF | GJM1555C1H8R2CB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 8.2pF | ±0.5pF | GJM1555C1H8R2DB01# | |
| | | | 8.3pF | ±0.05pF | GJM1555C1H8R3WB01# | |
| | | | | ±0.1pF | GJM1555C1H8R3BB01# | |
| | | | | ±0.25pF | GJM1555C1H8R3CB01# | |
| | | | | ±0.5pF | GJM1555C1H8R3DB01# | |
| | | | 8.4pF | ±0.05pF | GJM1555C1H8R4WB01# | |
| | | | | ±0.1pF | GJM1555C1H8R4BB01# | |
| | | | | ±0.25pF | GJM1555C1H8R4CB01# | |
| | | | | ±0.5pF | GJM1555C1H8R4DB01# | |
| | | | 8.5pF | ±0.05pF | GJM1555C1H8R5WB01# | |
| | | | | ±0.1pF | GJM1555C1H8R5BB01# | |
| | | | | ±0.25pF | GJM1555C1H8R5CB01# | |
| | | | | ±0.5pF | GJM1555C1H8R5DB01# | |
| | | | 8.6pF | ±0.05pF | GJM1555C1H8R6WB01# | |
| | | | | ±0.1pF | GJM1555C1H8R6BB01# | |
| | | | | ±0.25pF | GJM1555C1H8R6CB01# | |
| | | | | ±0.5pF | GJM1555C1H8R6DB01# | |
| | | | 8.7pF | ±0.05pF | GJM1555C1H8R7WB01# | |
| | | | | ±0.1pF | GJM1555C1H8R7BB01# | |
| | | | | ±0.25pF | GJM1555C1H8R7CB01# | |
| | | | | ±0.5pF | GJM1555C1H8R7DB01# | |
| | | | 8.8pF | ±0.05pF | GJM1555C1H8R8WB01# | |
| | | | | ±0.1pF | GJM1555C1H8R8BB01# | |
| | | | | ±0.25pF | GJM1555C1H8R8CB01# | |
| | | | | ±0.5pF | GJM1555C1H8R8DB01# | |
| | | | 8.9pF | ±0.05pF | GJM1555C1H8R9WB01# | |
| | | | | ±0.1pF | GJM1555C1H8R9BB01# | |
| | | | | ±0.25pF | GJM1555C1H8R9CB01# | |
| | | | | ±0.5pF | GJM1555C1H8R9DB01# | |
| | | | 9.0pF | ±0.05pF | GJM1555C1H9R0WB01# | |
| | | | | ±0.1pF | GJM1555C1H9R0BB01# | |
| | | | | ±0.25pF | GJM1555C1H9R0CB01# | |
| | | | | ±0.5pF | GJM1555C1H9R0DB01# | |
| | | | 9.1pF | ±0.05pF | GJM1555C1H9R1WB01# | |
| | | | | ±0.1pF | GJM1555C1H9R1BB01# | |
| | | | | ±0.25pF | GJM1555C1H9R1CB01# | |
| | | | | ±0.5pF | GJM1555C1H9R1DB01# | |
| | | | 9.2pF | ±0.05pF | GJM1555C1H9R2WB01# | |
| | | | | ±0.1pF | GJM1555C1H9R2BB01# | |
| | | | | ±0.25pF | GJM1555C1H9R2CB01# | |
| | | | | ±0.5pF | GJM1555C1H9R2DB01# | |
| | | | 9.3pF | ±0.05pF | GJM1555C1H9R3WB01# | |
| | | | | ±0.1pF | GJM1555C1H9R3BB01# | |
| | | | | ±0.25pF | GJM1555C1H9R3CB01# | |
| | | | | ±0.5pF | GJM1555C1H9R3DB01# | |
| | | | 9.4pF | ±0.05pF | GJM1555C1H9R4WB01# | |
| | | | | ±0.1pF | GJM1555C1H9R4BB01# | |
| | | | | ±0.25pF | GJM1555C1H9R4CB01# | |
| | | | | ±0.5pF | GJM1555C1H9R4DB01# | |
| | | | 9.5pF | ±0.05pF | GJM1555C1H9R5WB01# | |
| | | | | ±0.1pF | GJM1555C1H9R5BB01# | |
| | | | | ±0.25pF | GJM1555C1H9R5CB01# | |
| | | | | ±0.5pF | GJM1555C1H9R5DB01# | |
| | | | 9.6pF | ±0.05pF | GJM1555C1H9R6WB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 9.6pF | ±0.1pF | GJM1555C1H9R6BB01# | |
| | | | | ±0.25pF | GJM1555C1H9R6CB01# | |
| | | | | ±0.5pF | GJM1555C1H9R6DB01# | |
| | | | 9.7pF | ±0.05pF | GJM1555C1H9R7WB01# | |
| | | | | ±0.1pF | GJM1555C1H9R7BB01# | |
| | | | | ±0.25pF | GJM1555C1H9R7CB01# | |
| | | | | ±0.5pF | GJM1555C1H9R7DB01# | |
| | | | 9.8pF | ±0.05pF | GJM1555C1H9R8WB01# | |
| | | | | ±0.1pF | GJM1555C1H9R8BB01# | |
| | | | | ±0.25pF | GJM1555C1H9R8CB01# | |
| | | | | ±0.5pF | GJM1555C1H9R8DB01# | |
| | | | 9.9pF | ±0.05pF | GJM1555C1H9R9WB01# | |
| | | | | ±0.1pF | GJM1555C1H9R9BB01# | |
| | | | | ±0.25pF | GJM1555C1H9R9CB01# | |
| | | | | ±0.5pF | GJM1555C1H9R9DB01# | |
| | | | 10pF | ±2% | GJM1555C1H100GB01# | |
| | | | | ±5% | GJM1555C1H100JB01# | |
| | | | 11pF | ±2% | GJM1555C1H110GB01# | |
| | | | | ±5% | GJM1555C1H110JB01# | |
| | | | 12pF | ±2% | GJM1555C1H120GB01# | |
| | | | | ±5% | GJM1555C1H120JB01# | |
| | | | 13pF | ±2% | GJM1555C1H130GB01# | |
| | | | | ±5% | GJM1555C1H130JB01# | |
| | | | 15pF | ±2% | GJM1555C1H150GB01# | |
| | | | | ±5% | GJM1555C1H150JB01# | |
| | | | 16pF | ±2% | GJM1555C1H160GB01# | |
| | | | | ±5% | GJM1555C1H160JB01# | |
| | | | 18pF | ±2% | GJM1555C1H180GB01# | |
| | | | | ±5% | GJM1555C1H180JB01# | |
| | | | 20pF | ±2% | GJM1555C1H200GB01# | |
| | | | | ±5% | GJM1555C1H200JB01# | |
| | | | 22pF | ±1% | GJM1555C1H220FB01# | |
| | | | | ±2% | GJM1555C1H220GB01# | |
| | | | | ±5% | GJM1555C1H220JB01# | |
| | | | 24pF | ±1% | GJM1555C1H240FB01# | |
| | | | | ±2% | GJM1555C1H240GB01# | |
| | | | | ±5% | GJM1555C1H240JB01# | |
| | | | 27pF | ±1% | GJM1555C1H270FB01# | |
| | | | | ±2% | GJM1555C1H270GB01# | |
| | | | | ±5% | GJM1555C1H270JB01# | |
| | | | 30pF | ±1% | GJM1555C1H300FB01# | |
| | | | | ±2% | GJM1555C1H300GB01# | |
| | | | | ±5% | GJM1555C1H300JB01# | |
| | | | 33pF | ±1% | GJM1555C1H330FB01# | |
| | | | | ±2% | GJM1555C1H330GB01# | |
| | | | | ±5% | GJM1555C1H330JB01# | |
| | | | 36pF | ±1% | GJM1555C1H360FB01# | |
| | | | | ±2% | GJM1555C1H360GB01# | |
| | | | | ±5% | GJM1555C1H360JB01# | |
| | | | 39pF | ±1% | GJM1555C1H390FB01# | |
| | | | | ±2% | GJM1555C1H390GB01# | |
| | | | | ±5% | GJM1555C1H390JB01# | |
| | | | 43pF | ±1% | GJM1555C1H430FB01# | |
| | | | | ±2% | GJM1555C1H430GB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 43pF | ±5% | GJM1555C1H430JB01# | |
| | | | 47pF | ±1% | GJM1555C1H470FB01# | |
| | | | | ±2% | GJM1555C1H470GB01# | |
| | | | | ±5% | GJM1555C1H470JB01# | |
| | | CK | 0.10pF | ±0.05pF | GJM1554C1HR10WB01# | |
| | | | | ±0.1pF | GJM1554C1HR10BB01# | |
| | | | 0.20pF | ±0.05pF | GJM1554C1HR20WB01# | |
| | | | | ±0.1pF | GJM1554C1HR20BB01# | |
| | | | 0.30pF | ±0.05pF | GJM1554C1HR30WB01# | |
| | | | | ±0.1pF | GJM1554C1HR30BB01# | |
| | | | 0.40pF | ±0.05pF | GJM1554C1HR40WB01# | |
| | | | | ±0.1pF | GJM1554C1HR40BB01# | |
| | | | 0.50pF | ±0.05pF | GJM1554C1HR50WB01# | |
| | | | | ±0.1pF | GJM1554C1HR50BB01# | |
| | | | 0.60pF | ±0.05pF | GJM1554C1HR60WB01# | |
| | | | | ±0.1pF | GJM1554C1HR60BB01# | |
| | | | 0.70pF | ±0.05pF | GJM1554C1HR70WB01# | |
| | | | | ±0.1pF | GJM1554C1HR70BB01# | |
| | | | 0.80pF | ±0.05pF | GJM1554C1HR80WB01# | |
| | | | | ±0.1pF | GJM1554C1HR80BB01# | |
| | | | 0.90pF | ±0.05pF | GJM1554C1HR90WB01# | |
| | | | | ±0.1pF | GJM1554C1HR90BB01# | |
| | | | 1.0pF | ±0.05pF | GJM1554C1H1R0WB01# | |
| | | | | ±0.1pF | GJM1554C1H1R0BB01# | |
| | | | | ±0.25pF | GJM1554C1H1R0CB01# | |
| | | | 1.1pF | ±0.05pF | GJM1554C1H1R1WB01# | |
| | | | | ±0.1pF | GJM1554C1H1R1BB01# | |
| | | | | ±0.25pF | GJM1554C1H1R1CB01# | |
| | | | 1.2pF | ±0.05pF | GJM1554C1H1R2WB01# | |
| | | | | ±0.1pF | GJM1554C1H1R2BB01# | |
| | | | | ±0.25pF | GJM1554C1H1R2CB01# | |
| | | | 1.3pF | ±0.05pF | GJM1554C1H1R3WB01# | |
| | | | | ±0.1pF | GJM1554C1H1R3BB01# | |
| | | | | ±0.25pF | GJM1554C1H1R3CB01# | |
| | | | 1.4pF | ±0.05pF | GJM1554C1H1R4WB01# | |
| | | | | ±0.1pF | GJM1554C1H1R4BB01# | |
| | | | | ±0.25pF | GJM1554C1H1R4CB01# | |
| | | | 1.5pF | ±0.05pF | GJM1554C1H1R5WB01# | |
| | | | | ±0.1pF | GJM1554C1H1R5BB01# | |
| | | | | ±0.25pF | GJM1554C1H1R5CB01# | |
| | | | 1.6pF | ±0.05pF | GJM1554C1H1R6WB01# | |
| | | | | ±0.1pF | GJM1554C1H1R6BB01# | |
| | | | | ±0.25pF | GJM1554C1H1R6CB01# | |
| | | | 1.7pF | ±0.05pF | GJM1554C1H1R7WB01# | |
| | | | | ±0.1pF | GJM1554C1H1R7BB01# | |
| | | | | ±0.25pF | GJM1554C1H1R7CB01# | |
| | | | 1.8pF | ±0.05pF | GJM1554C1H1R8WB01# | |
| | | | | ±0.1pF | GJM1554C1H1R8BB01# | |
| | | | | ±0.25pF | GJM1554C1H1R8CB01# | |
| | | | 1.9pF | ±0.05pF | GJM1554C1H1R9WB01# | |
| | | | | ±0.1pF | GJM1554C1H1R9BB01# | |
| | | | | ±0.25pF | GJM1554C1H1R9CB01# | |
| | | | 2.0pF | ±0.05pF | GJM1554C1H2R0WB01# | |
| | | | | ±0.1pF | GJM1554C1H2R0BB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | CK | 2.0pF | ±0.25pF | GJM1554C1H2R0CB01# | |
| | | CJ | 2.1pF | ±0.05pF | GJM1553C1H2R1WB01# | |
| | | | | ±0.1pF | GJM1553C1H2R1BB01# | |
| | | | | ±0.25pF | GJM1553C1H2R1CB01# | |
| | | | 2.2pF | ±0.05pF | GJM1553C1H2R2WB01# | |
| | | | | ±0.1pF | GJM1553C1H2R2BB01# | |
| | | | | ±0.25pF | GJM1553C1H2R2CB01# | |
| | | | 2.3pF | ±0.05pF | GJM1553C1H2R3WB01# | |
| | | | | ±0.1pF | GJM1553C1H2R3BB01# | |
| | | | | ±0.25pF | GJM1553C1H2R3CB01# | |
| | | | 2.4pF | ±0.05pF | GJM1553C1H2R4WB01# | |
| | | | | ±0.1pF | GJM1553C1H2R4BB01# | |
| | | | | ±0.25pF | GJM1553C1H2R4CB01# | |
| | | | 2.5pF | ±0.05pF | GJM1553C1H2R5WB01# | |
| | | | | ±0.1pF | GJM1553C1H2R5BB01# | |
| | | | | ±0.25pF | GJM1553C1H2R5CB01# | |
| | | | 2.6pF | ±0.05pF | GJM1553C1H2R6WB01# | |
| | | | | ±0.1pF | GJM1553C1H2R6BB01# | |
| | | | | ±0.25pF | GJM1553C1H2R6CB01# | |
| | | | 2.7pF | ±0.05pF | GJM1553C1H2R7WB01# | |
| | | | | ±0.1pF | GJM1553C1H2R7BB01# | |
| | | | | ±0.25pF | GJM1553C1H2R7CB01# | |
| | | | 2.8pF | ±0.05pF | GJM1553C1H2R8WB01# | |
| | | | | ±0.1pF | GJM1553C1H2R8BB01# | |
| | | | | ±0.25pF | GJM1553C1H2R8CB01# | |
| | | | 2.9pF | ±0.05pF | GJM1553C1H2R9WB01# | |
| | | | | ±0.1pF | GJM1553C1H2R9BB01# | |
| | | | | ±0.25pF | GJM1553C1H2R9CB01# | |
| | | | 3.0pF | ±0.05pF | GJM1553C1H3R0WB01# | |
| | | | | ±0.1pF | GJM1553C1H3R0BB01# | |
| | | | | ±0.25pF | GJM1553C1H3R0CB01# | |
| | | | 3.1pF | ±0.05pF | GJM1553C1H3R1WB01# | |
| | | | | ±0.1pF | GJM1553C1H3R1BB01# | |
| | | | | ±0.25pF | GJM1553C1H3R1CB01# | |
| | | | 3.2pF | ±0.05pF | GJM1553C1H3R2WB01# | |
| | | | | ±0.1pF | GJM1553C1H3R2BB01# | |
| | | | | ±0.25pF | GJM1553C1H3R2CB01# | |
| | | | 3.3pF | ±0.05pF | GJM1553C1H3R3WB01# | |
| | | | | ±0.1pF | GJM1553C1H3R3BB01# | |
| | | | | ±0.25pF | GJM1553C1H3R3CB01# | |
| | | | 3.4pF | ±0.05pF | GJM1553C1H3R4WB01# | |
| | | | | ±0.1pF | GJM1553C1H3R4BB01# | |
| | | | | ±0.25pF | GJM1553C1H3R4CB01# | |
| | | | 3.5pF | ±0.05pF | GJM1553C1H3R5WB01# | |
| | | | | ±0.1pF | GJM1553C1H3R5BB01# | |
| | | | | ±0.25pF | GJM1553C1H3R5CB01# | |
| | | | 3.6pF | ±0.05pF | GJM1553C1H3R6WB01# | |
| | | | | ±0.1pF | GJM1553C1H3R6BB01# | |
| | | | | ±0.25pF | GJM1553C1H3R6CB01# | |
| | | | 3.7pF | ±0.05pF | GJM1553C1H3R7WB01# | |
| | | | | ±0.1pF | GJM1553C1H3R7BB01# | |
| | | | | ±0.25pF | GJM1553C1H3R7CB01# | |
| | | | 3.8pF | ±0.05pF | GJM1553C1H3R8WB01# | |
| | | | | ±0.1pF | GJM1553C1H3R8BB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | CJ | 3.8pF | ±0.25pF | GJM1553C1H3R8CB01# | |
| | | | 3.9pF | ±0.05pF | GJM1553C1H3R9WB01# | |
| | | | | ±0.1pF | GJM1553C1H3R9BB01# | |
| | | | | ±0.25pF | GJM1553C1H3R9CB01# | |
| | | CH | 4.0pF | ±0.05pF | GJM1552C1H4R0WB01# | |
| | | | | ±0.1pF | GJM1552C1H4R0BB01# | |
| | | | | ±0.25pF | GJM1552C1H4R0CB01# | |
| | | | 4.1pF | ±0.05pF | GJM1552C1H4R1WB01# | |
| | | | | ±0.1pF | GJM1552C1H4R1BB01# | |
| | | | | ±0.25pF | GJM1552C1H4R1CB01# | |
| | | | 4.2pF | ±0.05pF | GJM1552C1H4R2WB01# | |
| | | | | ±0.1pF | GJM1552C1H4R2BB01# | |
| | | | | ±0.25pF | GJM1552C1H4R2CB01# | |
| | | | 4.3pF | ±0.05pF | GJM1552C1H4R3WB01# | |
| | | | | ±0.1pF | GJM1552C1H4R3BB01# | |
| | | | | ±0.25pF | GJM1552C1H4R3CB01# | |
| | | | 4.4pF | ±0.05pF | GJM1552C1H4R4WB01# | |
| | | | | ±0.1pF | GJM1552C1H4R4BB01# | |
| | | | | ±0.25pF | GJM1552C1H4R4CB01# | |
| | | | 4.5pF | ±0.05pF | GJM1552C1H4R5WB01# | |
| | | | | ±0.1pF | GJM1552C1H4R5BB01# | |
| | | | | ±0.25pF | GJM1552C1H4R5CB01# | |
| | | | 4.6pF | ±0.05pF | GJM1552C1H4R6WB01# | |
| | | | | ±0.1pF | GJM1552C1H4R6BB01# | |
| | | | | ±0.25pF | GJM1552C1H4R6CB01# | |
| | | | 4.7pF | ±0.05pF | GJM1552C1H4R7WB01# | |
| | | | | ±0.1pF | GJM1552C1H4R7BB01# | |
| | | | | ±0.25pF | GJM1552C1H4R7CB01# | |
| | | | 4.8pF | ±0.05pF | GJM1552C1H4R8WB01# | |
| | | | | ±0.1pF | GJM1552C1H4R8BB01# | |
| | | | | ±0.25pF | GJM1552C1H4R8CB01# | |
| | | | 4.9pF | ±0.05pF | GJM1552C1H4R9WB01# | |
| | | | | ±0.1pF | GJM1552C1H4R9BB01# | |
| | | | | ±0.25pF | GJM1552C1H4R9CB01# | |
| | | | 5.0pF | ±0.05pF | GJM1552C1H5R0WB01# | |
| | | | | ±0.1pF | GJM1552C1H5R0BB01# | |
| | | | | ±0.25pF | GJM1552C1H5R0CB01# | |
| | | | 5.1pF | ±0.05pF | GJM1552C1H5R1WB01# | |
| | | | | ±0.1pF | GJM1552C1H5R1BB01# | |
| | | | | ±0.25pF | GJM1552C1H5R1CB01# | |
| | | | | ±0.5pF | GJM1552C1H5R1DB01# | |
| | | | 5.2pF | ±0.05pF | GJM1552C1H5R2WB01# | |
| | | | | ±0.1pF | GJM1552C1H5R2BB01# | |
| | | | | ±0.25pF | GJM1552C1H5R2CB01# | |
| | | | | ±0.5pF | GJM1552C1H5R2DB01# | |
| | | | 5.3pF | ±0.05pF | GJM1552C1H5R3WB01# | |
| | | | | ±0.1pF | GJM1552C1H5R3BB01# | |
| | | | | ±0.25pF | GJM1552C1H5R3CB01# | |
| | | | | ±0.5pF | GJM1552C1H5R3DB01# | |
| | | | 5.4pF | ±0.05pF | GJM1552C1H5R4WB01# | |
| | | | | ±0.1pF | GJM1552C1H5R4BB01# | |
| | | | | ±0.25pF | GJM1552C1H5R4CB01# | |
| | | | | ±0.5pF | GJM1552C1H5R4DB01# | |
| | | | 5.5pF | ±0.05pF | GJM1552C1H5R5WB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | CH | 5.5pF | ±0.1pF | GJM1552C1H5R5BB01# | |
| | | | | ±0.25pF | GJM1552C1H5R5CB01# | |
| | | | | ±0.5pF | GJM1552C1H5R5DB01# | |
| | | | 5.6pF | ±0.05pF | GJM1552C1H5R6WB01# | |
| | | | | ±0.1pF | GJM1552C1H5R6BB01# | |
| | | | | ±0.25pF | GJM1552C1H5R6CB01# | |
| | | | | ±0.5pF | GJM1552C1H5R6DB01# | |
| | | | 5.7pF | ±0.05pF | GJM1552C1H5R7WB01# | |
| | | | | ±0.1pF | GJM1552C1H5R7BB01# | |
| | | | | ±0.25pF | GJM1552C1H5R7CB01# | |
| | | | | ±0.5pF | GJM1552C1H5R7DB01# | |
| | | | 5.8pF | ±0.05pF | GJM1552C1H5R8WB01# | |
| | | | | ±0.1pF | GJM1552C1H5R8BB01# | |
| | | | | ±0.25pF | GJM1552C1H5R8CB01# | |
| | | | | ±0.5pF | GJM1552C1H5R8DB01# | |
| | | | 5.9pF | ±0.05pF | GJM1552C1H5R9WB01# | |
| | | | | ±0.1pF | GJM1552C1H5R9BB01# | |
| | | | | ±0.25pF | GJM1552C1H5R9CB01# | |
| | | | | ±0.5pF | GJM1552C1H5R9DB01# | |
| | | | 6.0pF | ±0.05pF | GJM1552C1H6R0WB01# | |
| | | | | ±0.1pF | GJM1552C1H6R0BB01# | |
| | | | | ±0.25pF | GJM1552C1H6R0CB01# | |
| | | | | ±0.5pF | GJM1552C1H6R0DB01# | |
| | | | 6.1pF | ±0.05pF | GJM1552C1H6R1WB01# | |
| | | | | ±0.1pF | GJM1552C1H6R1BB01# | |
| | | | | ±0.25pF | GJM1552C1H6R1CB01# | |
| | | | | ±0.5pF | GJM1552C1H6R1DB01# | |
| | | | 6.2pF | ±0.05pF | GJM1552C1H6R2WB01# | |
| | | | | ±0.1pF | GJM1552C1H6R2BB01# | |
| | | | | ±0.25pF | GJM1552C1H6R2CB01# | |
| | | | | ±0.5pF | GJM1552C1H6R2DB01# | |
| | | | 6.3pF | ±0.05pF | GJM1552C1H6R3WB01# | |
| | | | | ±0.1pF | GJM1552C1H6R3BB01# | |
| | | | | ±0.25pF | GJM1552C1H6R3CB01# | |
| | | | | ±0.5pF | GJM1552C1H6R3DB01# | |
| | | | 6.4pF | ±0.05pF | GJM1552C1H6R4WB01# | |
| | | | | ±0.1pF | GJM1552C1H6R4BB01# | |
| | | | | ±0.25pF | GJM1552C1H6R4CB01# | |
| | | | | ±0.5pF | GJM1552C1H6R4DB01# | |
| | | | 6.5pF | ±0.05pF | GJM1552C1H6R5WB01# | |
| | | | | ±0.1pF | GJM1552C1H6R5BB01# | |
| | | | | ±0.25pF | GJM1552C1H6R5CB01# | |
| | | | | ±0.5pF | GJM1552C1H6R5DB01# | |
| | | | 6.6pF | ±0.05pF | GJM1552C1H6R6WB01# | |
| | | | | ±0.1pF | GJM1552C1H6R6BB01# | |
| | | | | ±0.25pF | GJM1552C1H6R6CB01# | |
| | | | | ±0.5pF | GJM1552C1H6R6DB01# | |
| | | | 6.7pF | ±0.05pF | GJM1552C1H6R7WB01# | |
| | | | | ±0.1pF | GJM1552C1H6R7BB01# | |
| | | | | ±0.25pF | GJM1552C1H6R7CB01# | |
| | | | | ±0.5pF | GJM1552C1H6R7DB01# | |
| | | | 6.8pF | ±0.05pF | GJM1552C1H6R8WB01# | |
| | | | | ±0.1pF | GJM1552C1H6R8BB01# | |
| | | | | ±0.25pF | GJM1552C1H6R8CB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | CH | 6.8pF | ±0.5pF | GJM1552C1H6R8DB01# | |
| | | | 6.9pF | ±0.05pF | GJM1552C1H6R9WB01# | |
| | | | | ±0.1pF | GJM1552C1H6R9BB01# | |
| | | | | ±0.25pF | GJM1552C1H6R9CB01# | |
| | | | | ±0.5pF | GJM1552C1H6R9DB01# | |
| | | | 7.0pF | ±0.05pF | GJM1552C1H7R0WB01# | |
| | | | | ±0.1pF | GJM1552C1H7R0BB01# | |
| | | | | ±0.25pF | GJM1552C1H7R0CB01# | |
| | | | | ±0.5pF | GJM1552C1H7R0DB01# | |
| | | | 7.1pF | ±0.05pF | GJM1552C1H7R1WB01# | |
| | | | | ±0.1pF | GJM1552C1H7R1BB01# | |
| | | | | ±0.25pF | GJM1552C1H7R1CB01# | |
| | | | | ±0.5pF | GJM1552C1H7R1DB01# | |
| | | | 7.2pF | ±0.05pF | GJM1552C1H7R2WB01# | |
| | | | | ±0.1pF | GJM1552C1H7R2BB01# | |
| | | | | ±0.25pF | GJM1552C1H7R2CB01# | |
| | | | | ±0.5pF | GJM1552C1H7R2DB01# | |
| | | | 7.3pF | ±0.05pF | GJM1552C1H7R3WB01# | |
| | | | | ±0.1pF | GJM1552C1H7R3BB01# | |
| | | | | ±0.25pF | GJM1552C1H7R3CB01# | |
| | | | | ±0.5pF | GJM1552C1H7R3DB01# | |
| | | | 7.4pF | ±0.05pF | GJM1552C1H7R4WB01# | |
| | | | | ±0.1pF | GJM1552C1H7R4BB01# | |
| | | | | ±0.25pF | GJM1552C1H7R4CB01# | |
| | | | | ±0.5pF | GJM1552C1H7R4DB01# | |
| | | | 7.5pF | ±0.05pF | GJM1552C1H7R5WB01# | |
| | | | | ±0.1pF | GJM1552C1H7R5BB01# | |
| | | | | ±0.25pF | GJM1552C1H7R5CB01# | |
| | | | | ±0.5pF | GJM1552C1H7R5DB01# | |
| | | | 7.6pF | ±0.05pF | GJM1552C1H7R6WB01# | |
| | | | | ±0.1pF | GJM1552C1H7R6BB01# | |
| | | | | ±0.25pF | GJM1552C1H7R6CB01# | |
| | | | | ±0.5pF | GJM1552C1H7R6DB01# | |
| | | | 7.7pF | ±0.05pF | GJM1552C1H7R7WB01# | |
| | | | | ±0.1pF | GJM1552C1H7R7BB01# | |
| | | | | ±0.25pF | GJM1552C1H7R7CB01# | |
| | | | | ±0.5pF | GJM1552C1H7R7DB01# | |
| | | | 7.8pF | ±0.05pF | GJM1552C1H7R8WB01# | |
| | | | | ±0.1pF | GJM1552C1H7R8BB01# | |
| | | | | ±0.25pF | GJM1552C1H7R8CB01# | |
| | | | | ±0.5pF | GJM1552C1H7R8DB01# | |
| | | | 7.9pF | ±0.05pF | GJM1552C1H7R9WB01# | |
| | | | | ±0.1pF | GJM1552C1H7R9BB01# | |
| | | | | ±0.25pF | GJM1552C1H7R9CB01# | |
| | | | | ±0.5pF | GJM1552C1H7R9DB01# | |
| | | | 8.0pF | ±0.05pF | GJM1552C1H8R0WB01# | |
| | | | | ±0.1pF | GJM1552C1H8R0BB01# | |
| | | | | ±0.25pF | GJM1552C1H8R0CB01# | |
| | | | | ±0.5pF | GJM1552C1H8R0DB01# | |
| | | | 8.1pF | ±0.05pF | GJM1552C1H8R1WB01# | |
| | | | | ±0.1pF | GJM1552C1H8R1BB01# | |
| | | | | ±0.25pF | GJM1552C1H8R1CB01# | |
| | | | | ±0.5pF | GJM1552C1H8R1DB01# | |
| | | | 8.2pF | ±0.05pF | GJM1552C1H8R2WB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | CH | 8.2pF | ±0.1pF | GJM1552C1H8R2BB01# | |
| | | | | ±0.25pF | GJM1552C1H8R2CB01# | |
| | | | | ±0.5pF | GJM1552C1H8R2DB01# | |
| | | | 8.3pF | ±0.05pF | GJM1552C1H8R3WB01# | |
| | | | | ±0.1pF | GJM1552C1H8R3BB01# | |
| | | | | ±0.25pF | GJM1552C1H8R3CB01# | |
| | | | | ±0.5pF | GJM1552C1H8R3DB01# | |
| | | | 8.4pF | ±0.05pF | GJM1552C1H8R4WB01# | |
| | | | | ±0.1pF | GJM1552C1H8R4BB01# | |
| | | | | ±0.25pF | GJM1552C1H8R4CB01# | |
| | | | | ±0.5pF | GJM1552C1H8R4DB01# | |
| | | | 8.5pF | ±0.05pF | GJM1552C1H8R5WB01# | |
| | | | | ±0.1pF | GJM1552C1H8R5BB01# | |
| | | | | ±0.25pF | GJM1552C1H8R5CB01# | |
| | | | | ±0.5pF | GJM1552C1H8R5DB01# | |
| | | | 8.6pF | ±0.05pF | GJM1552C1H8R6WB01# | |
| | | | | ±0.1pF | GJM1552C1H8R6BB01# | |
| | | | | ±0.25pF | GJM1552C1H8R6CB01# | |
| | | | | ±0.5pF | GJM1552C1H8R6DB01# | |
| | | | 8.7pF | ±0.05pF | GJM1552C1H8R7WB01# | |
| | | | | ±0.1pF | GJM1552C1H8R7BB01# | |
| | | | | ±0.25pF | GJM1552C1H8R7CB01# | |
| | | | | ±0.5pF | GJM1552C1H8R7DB01# | |
| | | | 8.8pF | ±0.05pF | GJM1552C1H8R8WB01# | |
| | | | | ±0.1pF | GJM1552C1H8R8BB01# | |
| | | | | ±0.25pF | GJM1552C1H8R8CB01# | |
| | | | | ±0.5pF | GJM1552C1H8R8DB01# | |
| | | | 8.9pF | ±0.05pF | GJM1552C1H8R9WB01# | |
| | | | | ±0.1pF | GJM1552C1H8R9BB01# | |
| | | | | ±0.25pF | GJM1552C1H8R9CB01# | |
| | | | | ±0.5pF | GJM1552C1H8R9DB01# | |
| | | | 9.0pF | ±0.05pF | GJM1552C1H9R0WB01# | |
| | | | | ±0.1pF | GJM1552C1H9R0BB01# | |
| | | | | ±0.25pF | GJM1552C1H9R0CB01# | |
| | | | | ±0.5pF | GJM1552C1H9R0DB01# | |
| | | | 9.1pF | ±0.05pF | GJM1552C1H9R1WB01# | |
| | | | | ±0.1pF | GJM1552C1H9R1BB01# | |
| | | | | ±0.25pF | GJM1552C1H9R1CB01# | |
| | | | | ±0.5pF | GJM1552C1H9R1DB01# | |
| | | | 9.2pF | ±0.05pF | GJM1552C1H9R2WB01# | |
| | | | | ±0.1pF | GJM1552C1H9R2BB01# | |
| | | | | ±0.25pF | GJM1552C1H9R2CB01# | |
| | | | | ±0.5pF | GJM1552C1H9R2DB01# | |
| | | | 9.3pF | ±0.05pF | GJM1552C1H9R3WB01# | |
| | | | | ±0.1pF | GJM1552C1H9R3BB01# | |
| | | | | ±0.25pF | GJM1552C1H9R3CB01# | |
| | | | | ±0.5pF | GJM1552C1H9R3DB01# | |
| | | | 9.4pF | ±0.05pF | GJM1552C1H9R4WB01# | |
| | | | | ±0.1pF | GJM1552C1H9R4BB01# | |
| | | | | ±0.25pF | GJM1552C1H9R4CB01# | |
| | | | | ±0.5pF | GJM1552C1H9R4DB01# | |
| | | | 9.5pF | ±0.05pF | GJM1552C1H9R5WB01# | |
| | | | | ±0.1pF | GJM1552C1H9R5BB01# | |
| | | | | ±0.25pF | GJM1552C1H9R5CB01# | |

Part number # indicates the package specification code.

# GJM Series Temperature Compensating Type High Q Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | CH | 9.5pF | ±0.5pF | GJM1552C1H9R5DB01# | |
| | | | 9.6pF | ±0.05pF | GJM1552C1H9R6WB01# | |
| | | | | ±0.1pF | GJM1552C1H9R6BB01# | |
| | | | | ±0.25pF | GJM1552C1H9R6CB01# | |
| | | | | ±0.5pF | GJM1552C1H9R6DB01# | |
| | | | 9.7pF | ±0.05pF | GJM1552C1H9R7WB01# | |
| | | | | ±0.1pF | GJM1552C1H9R7BB01# | |
| | | | | ±0.25pF | GJM1552C1H9R7CB01# | |
| | | | | ±0.5pF | GJM1552C1H9R7DB01# | |
| | | | 9.8pF | ±0.05pF | GJM1552C1H9R8WB01# | |
| | | | | ±0.1pF | GJM1552C1H9R8BB01# | |
| | | | | ±0.25pF | GJM1552C1H9R8CB01# | |
| | | | | ±0.5pF | GJM1552C1H9R8DB01# | |
| | | | 9.9pF | ±0.05pF | GJM1552C1H9R9WB01# | |
| | | | | ±0.1pF | GJM1552C1H9R9BB01# | |
| | | | | ±0.25pF | GJM1552C1H9R9CB01# | |
| | | | | ±0.5pF | GJM1552C1H9R9DB01# | |
| | | | 10pF | ±2% | GJM1552C1H100GB01# | |
| | | | | ±5% | GJM1552C1H100JB01# | |
| | | | 11pF | ±2% | GJM1552C1H110GB01# | |
| | | | | ±5% | GJM1552C1H110JB01# | |
| | | | 12pF | ±2% | GJM1552C1H120GB01# | |
| | | | | ±5% | GJM1552C1H120JB01# | |
| | | | 13pF | ±2% | GJM1552C1H130GB01# | |
| | | | | ±5% | GJM1552C1H130JB01# | |
| | | | 15pF | ±2% | GJM1552C1H150GB01# | |
| | | | | ±5% | GJM1552C1H150JB01# | |
| | | | 16pF | ±2% | GJM1552C1H160GB01# | |
| | | | | ±5% | GJM1552C1H160JB01# | |
| | | | 18pF | ±2% | GJM1552C1H180GB01# | |
| | | | | ±5% | GJM1552C1H180JB01# | |
| | | | 20pF | ±2% | GJM1552C1H200GB01# | |
| | | | | ±5% | GJM1552C1H200JB01# | |
| | | | 22pF | ±1% | GJM1552C1H220FB01# | |
| | | | | ±2% | GJM1552C1H220GB01# | |
| | | | | ±5% | GJM1552C1H220JB01# | |
| | | | 24pF | ±1% | GJM1552C1H240FB01# | |
| | | | | ±2% | GJM1552C1H240GB01# | |
| | | | | ±5% | GJM1552C1H240JB01# | |
| | | | 27pF | ±1% | GJM1552C1H270FB01# | |
| | | | | ±2% | GJM1552C1H270GB01# | |
| | | | | ±5% | GJM1552C1H270JB01# | |
| | | | 30pF | ±1% | GJM1552C1H300FB01# | |
| | | | | ±2% | GJM1552C1H300GB01# | |
| | | | | ±5% | GJM1552C1H300JB01# | |
| | | | 33pF | ±1% | GJM1552C1H330FB01# | |
| | | | | ±2% | GJM1552C1H330GB01# | |
| | | | | ±5% | GJM1552C1H330JB01# | |
| | | | 36pF | ±1% | GJM1552C1H360FB01# | |
| | | | | ±2% | GJM1552C1H360GB01# | |
| | | | | ±5% | GJM1552C1H360JB01# | |
| | | | 39pF | ±1% | GJM1552C1H390FB01# | |
| | | | | ±2% | GJM1552C1H390GB01# | |
| | | | | ±5% | GJM1552C1H390JB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | CH | 43pF | ±1% | GJM1552C1H430FB01# | |
| | | | | ±2% | GJM1552C1H430GB01# | |
| | | | | ±5% | GJM1552C1H430JB01# | |
| | | | 47pF | ±1% | GJM1552C1H470FB01# | |
| | | | | ±2% | GJM1552C1H470GB01# | |
| | | | | ±5% | GJM1552C1H470JB01# | |

Part number # indicates the package specification code.

Wire bondable vertical electrode Monolithic Ceramic Capacitor

# GMA Series

Bonding

WEB

**These capacitors are wire bondable for optical transceivers and IC packages, using Au (gold) terminations.**

## Features

### 1 Allows for high density mounting.

Noise can be reduced by eliminating the routing of the wire, and high efficiency can be achieved with a built-in capacitor in a package, such as IC. Miniaturization of the set is also possible.

<Example of Structure>

<Mounting Example>

### 2 Achieved small size and high capacitance with a multilayer structure.

| | |
|---|---|
| Small size, high capacitance | Minimum 0.38mm×0.38mm<br>Achieved 0.1μF in 0.5mm×0.5mm size |

Lineup comparison table with competitor's is provided in my Murata Capacitor Site (need to sign in & approval from the site)

### 3 Ideal for bypass applications

Especially for optical communication related devices such as TOSA/ROSA.

### 4 Excellent in high frequency characteristics.

Since the capacitor consists of an upper/lower electrode structure, the current path becomes shorter and lowers the ESL. Compared with the general purpose GRM series of the same capacity, the impedance of this product becomes lower at high frequencies.

<Comparison between Impedance - Frequency Characteristics>

## Specifications

| | |
|---|---|
| Size (mm) | 0.38×0.38mm to 0.8×0.8mm |
| Rated Voltage | 6.3Vdc to 100Vdc |
| Capacitance | 100pF to 0.47μF |
| Main Applications | 1. Optical communication related devices such as TOSA/ROSA.<br>2. Various device related, such as GaAsIC (mounted in IC packages)<br>3. Measuring instruments, other ultra compact/thin devices |

<Dimensions>

This catalog contains only a portion of the product lineup.
Please refer to the capacitor search tool on the Murata Web site for details.

# GMA Series High Dielectric Constant Type Bonding Part Number List

## 0.38×0.38mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.35mm | 10Vdc | X7R | 1000pF | ±20% | GMA0D3R71A102MA01# | |
| | | | 1500pF | ±20% | GMA0D3R71A152MA01# | |
| | | | 1800pF | ±20% | GMA0D3R71A182MA01# | |
| | | | 10000pF | ±20% | GMA0D3R71A103MA01# | |
| | | R | 1000pF | ±20% | GMA0D3R11A102MA01# | |
| | | | 1500pF | ±20% | GMA0D3R11A152MA01# | |
| | | | 1800pF | ±20% | GMA0D3R11A182MA01# | |
| | | | 10000pF | ±20% | GMA0D3R11A103MA01# | |
| | | B | 1000pF | ±20% | GMA0D3B11A102MA01# | |
| | | | 1500pF | ±20% | GMA0D3B11A152MA01# | |
| | | | 1800pF | ±20% | GMA0D3B11A182MA01# | |

## 0.5×0.5mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.4mm | 100Vdc | X7R | 100pF | ±20% | GMA05XR72A101MA01# | |
| | | | 150pF | ±20% | GMA05XR72A151MA01# | |
| | | | 220pF | ±20% | GMA05XR72A221MA01# | |
| | | | 330pF | ±20% | GMA05XR72A331MA01# | |
| | | | 470pF | ±20% | GMA05XR72A471MA01# | |
| | | | 680pF | ±20% | GMA05XR72A681MA01# | |
| | | | 1000pF | ±20% | GMA05XR72A102MA01# | |
| | 25Vdc | X7R | 1500pF | ±20% | GMA05XR71E152MA11# | |
| | | | 2200pF | ±20% | GMA05XR71E222MA11# | |
| | | | 3300pF | ±20% | GMA05XR71E332MA11# | |
| | | | 4700pF | ±20% | GMA05XR71E472MA11# | |
| | | B | 1500pF | ±20% | GMA05XB31E152MA11# | |
| | | | 2200pF | ±20% | GMA05XB31E222MA11# | |
| | | | 3300pF | ±20% | GMA05XB31E332MA11# | |
| | | | 4700pF | ±20% | GMA05XB31E472MA11# | |
| | 10Vdc | X7R | 6800pF | ±20% | GMA05XR71A682MA01# | |
| | | | 10000pF | ±20% | GMA05XR71A103MA01# | |
| | | | 15000pF | ±20% | GMA05XR71A153MA01# | |
| | | | 22000pF | ±20% | GMA05XR71A223MA01# | |
| | | R | 6800pF | ±20% | GMA05XR11A682MA01# | |
| | | | 10000pF | ±20% | GMA05XR11A103MA01# | |
| | | | 15000pF | ±20% | GMA05XR11A153MA01# | |
| | | | 22000pF | ±20% | GMA05XR11A223MA01# | |
| | | B | 6800pF | ±20% | GMA05XB11A682MA01# | |
| | | | 10000pF | ±20% | GMA05XB11A103MA01# | |
| | | | 15000pF | ±20% | GMA05XB11A153MA01# | |
| | | | 22000pF | ±20% | GMA05XB11A223MA01# | |
| | 6.3Vdc | X5R | 0.10μF | ±20% | GMA05XR60J104ME12# | |
| | | B | 0.10μF | ±20% | GMA05XB30J104ME12# | |

## 0.8×0.8mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.6mm | 100Vdc | X7R | 1500pF | ±20% | GMA085R72A152MA01# | |
| | | | 2200pF | ±20% | GMA085R72A222MA01# | |
| | | | 3300pF | ±20% | GMA085R72A332MA01# | |
| | | | 4700pF | ±20% | GMA085R72A472MA01# | |
| | | | 6800pF | ±20% | GMA085R72A682MA01# | |
| | 25Vdc | X7R | 10000pF | ±20% | GMA085R71E103MA11# | |
| | | | 15000pF | ±20% | GMA085R71E153MA11# | |
| | | | 22000pF | ±20% | GMA085R71E223MA11# | |
| | | B | 10000pF | ±20% | GMA085B31E103MA11# | |
| | | | 15000pF | ±20% | GMA085B31E153MA11# | |
| | | | 22000pF | ±20% | GMA085B31E223MA11# | |
| | 10Vdc | X7R | 33000pF | ±20% | GMA085R71A333MA01# | |
| | | | 47000pF | ±20% | GMA085R71A473MA01# | |
| | | | 68000pF | ±20% | GMA085R71A683MA01# | |
| | | | 0.10μF | ±20% | GMA085R71A104MA01# | |
| | | R | 33000pF | ±20% | GMA085R11A333MA01# | |
| | | | 47000pF | ±20% | GMA085R11A473MA01# | |
| | | | 68000pF | ±20% | GMA085R11A683MA01# | |
| | | | 0.10μF | ±20% | GMA085R11A104MA01# | |
| | | B | 33000pF | ±20% | GMA085B11A333MA01# | |
| | | | 47000pF | ±20% | GMA085B11A473MA01# | |
| | | | 68000pF | ±20% | GMA085B11A683MA01# | |
| | | | 0.10μF | ±20% | GMA085B11A104MA01# | |
| | 6.3Vdc | X5R | 0.47μF | ±20% | GMA085R60J474ME12# | |
| | | B | 0.47μF | ±20% | GMA085B30J474ME12# | |

Part number # indicates the package specification code.

Wire bondable/AuSn solderable Monolithic Ceramic Capacitor

# GMD Series

Bonding

WEB

## This capacitor is compatible to wire bonding mounting by the external electrodes of Au plating.

## Features

### 1 Can be mounted by wire bonding and AuSn soldering.

Since the external electrodes are based on the Au plating specification, mounting by wire/die bonding is possible.

<Example of Structure>

<Mounting Example>

### 2 Ideal for mounting in packages, such as optical communication related devices, IC and etc.

Noise can be reduced by eliminating the routing of the wire, and high efficiency can be achieved with a built-in capacitor in the package, such as TO-CAN, IC and etc. by wire bonding mounting.

### 3 Contributes to the miniaturization of the set.

Murata offers a lineup of small size products, such as the 0603 (0201) and 1005 (0402) in mm (inch).

## Specifications

| | |
|---|---|
| Size (mm) | 0.6×0.3mm to 1.0×0.5mm |
| Rated Voltage | 6.3Vdc to 50Vdc |
| Capacitance | 100pF to 1.0μF |
| Main Applications | Various device related, such as GaAsIC (mounted in IC packages) |

This catalog contains only a portion of the product lineup.
Please refer to the capacitor search tool on the Murata Web site for details.

<Dimensions>

# GMD Series High Dielectric Constant Type Bonding Part Number List

## 0.6×0.3mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.33mm | 25Vdc | X7R | 100pF | ±10% | GMD033R71E101KA01# | |
| | | | 120pF | ±10% | GMD033R71E121KA01# | |
| | | | 150pF | ±10% | GMD033R71E151KA01# | |
| | | | 180pF | ±10% | GMD033R71E181KA01# | |
| | | | 220pF | ±10% | GMD033R71E221KA01# | |
| | | | 270pF | ±10% | GMD033R71E271KA01# | |
| | | | 330pF | ±10% | GMD033R71E331KA01# | |
| | | | 390pF | ±10% | GMD033R71E391KA01# | |
| | | | 470pF | ±10% | GMD033R71E471KA01# | |
| | | | 560pF | ±10% | GMD033R71E561KA01# | |
| | | | 680pF | ±10% | GMD033R71E681KA01# | |
| | | | 820pF | ±10% | GMD033R71E821KA01# | |
| | | | 1000pF | ±10% | GMD033R71E102KA01# | |
| | | | 1200pF | ±10% | GMD033R71E122KA01# | |
| | | | 1500pF | ±10% | GMD033R71E152KA01# | |
| | | R | 100pF | ±10% | GMD033R11E101KA01# | |
| | | | 120pF | ±10% | GMD033R11E121KA01# | |
| | | | 150pF | ±10% | GMD033R11E151KA01# | |
| | | | 180pF | ±10% | GMD033R11E181KA01# | |
| | | | 220pF | ±10% | GMD033R11E221KA01# | |
| | | | 270pF | ±10% | GMD033R11E271KA01# | |
| | | | 330pF | ±10% | GMD033R11E331KA01# | |
| | | | 390pF | ±10% | GMD033R11E391KA01# | |
| | | | 470pF | ±10% | GMD033R11E471KA01# | |
| | | | 560pF | ±10% | GMD033R11E561KA01# | |
| | | | 680pF | ±10% | GMD033R11E681KA01# | |
| | | | 820pF | ±10% | GMD033R11E821KA01# | |
| | | | 1000pF | ±10% | GMD033R11E102KA01# | |
| | | | 1200pF | ±10% | GMD033R11E122KA01# | |
| | | | 1500pF | ±10% | GMD033R11E152KA01# | |
| | | B | 100pF | ±10% | GMD033B11E101KA01# | |
| | | | 120pF | ±10% | GMD033B11E121KA01# | |
| | | | 150pF | ±10% | GMD033B11E151KA01# | |
| | | | 180pF | ±10% | GMD033B11E181KA01# | |
| | | | 220pF | ±10% | GMD033B11E221KA01# | |
| | | | 270pF | ±10% | GMD033B11E271KA01# | |
| | | | 330pF | ±10% | GMD033B11E331KA01# | |
| | | | 390pF | ±10% | GMD033B11E391KA01# | |
| | | | 470pF | ±10% | GMD033B11E471KA01# | |
| | | | 560pF | ±10% | GMD033B11E561KA01# | |
| | | | 680pF | ±10% | GMD033B11E681KA01# | |
| | | | 820pF | ±10% | GMD033B11E821KA01# | |
| | | | 1000pF | ±10% | GMD033B11E102KA01# | |
| | | | 1200pF | ±10% | GMD033B11E122KA01# | |
| | | | 1500pF | ±10% | GMD033B11E152KA01# | |
| | 16Vdc | X7R | 1800pF | ±10% | GMD033R71C182KA11# | |
| | | | 2200pF | ±10% | GMD033R71C222KA11# | |
| | | | 2700pF | ±10% | GMD033R71C272KA11# | |
| | | | 3300pF | ±10% | GMD033R71C332KA11# | |
| | | R | 1800pF | ±10% | GMD033R11C182KA11# | |
| | | | 2200pF | ±10% | GMD033R11C222KA11# | |
| | | | 2700pF | ±10% | GMD033R11C272KA11# | |
| 0.33mm | 16Vdc | R | 3300pF | ±10% | GMD033R11C332KA11# | |
| | | B | 1800pF | ±10% | GMD033B31C182KA11# | |
| | | | 2200pF | ±10% | GMD033B31C222KA11# | |
| | | | 2700pF | ±10% | GMD033B31C272KA11# | |
| | | | 3300pF | ±10% | GMD033B31C332KA11# | |
| | 10Vdc | X7R | 3900pF | ±10% | GMD033R71A392KA01# | |
| | | | 4700pF | ±10% | GMD033R71A472KA01# | |
| | | | 5600pF | ±10% | GMD033R71A562KA01# | |
| | | | 6800pF | ±10% | GMD033R71A682KA01# | |
| | | | 8200pF | ±10% | GMD033R71A822KA01# | |
| | | | 10000pF | ±10% | GMD033R71A103KA01# | |
| | | R | 3900pF | ±10% | GMD033R11A392KA01# | |
| | | | 4700pF | ±10% | GMD033R11A472KA01# | |
| | | | 5600pF | ±10% | GMD033R11A562KA01# | |
| | | | 6800pF | ±10% | GMD033R11A682KA01# | |
| | | | 8200pF | ±10% | GMD033R11A822KA01# | |
| | | | 10000pF | ±10% | GMD033R11A103KA01# | |
| | | B | 3900pF | ±10% | GMD033B11A392KA01# | |
| | | | 4700pF | ±10% | GMD033B11A472KA01# | |
| | | | 5600pF | ±10% | GMD033B11A562KA01# | |
| | | | 6800pF | ±10% | GMD033B11A682KA01# | |
| | | | 8200pF | ±10% | GMD033B11A822KA01# | |
| | | | 10000pF | ±10% | GMD033B11A103KA01# | |
| | 6.3Vdc | X5R | 56000pF | ±10% | GMD033R60J563KE11# | |
| | | | 68000pF | ±10% | GMD033R60J683KE11# | |
| | | | 82000pF | ±10% | GMD033R60J823KE11# | |
| | | | 0.10μF | ±10% | GMD033R60J104KE11# | |
| | | B | 56000pF | ±10% | GMD033B30J563KE11# | |
| | | | 68000pF | ±10% | GMD033B30J683KE11# | |
| | | | 82000pF | ±10% | GMD033B30J823KE11# | |
| | | | 0.10μF | ±10% | GMD033B30J104KE11# | |

## 1.0×0.5mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | X7R | 220pF | ±10% | GMD155R71H221KA01# | |
| | | | 270pF | ±10% | GMD155R71H271KA01# | |
| | | | 330pF | ±10% | GMD155R71H331KA01# | |
| | | | 390pF | ±10% | GMD155R71H391KA01# | |
| | | | 470pF | ±10% | GMD155R71H471KA01# | |
| | | | 560pF | ±10% | GMD155R71H561KA01# | |
| | | | 680pF | ±10% | GMD155R71H681KA01# | |
| | | | 820pF | ±10% | GMD155R71H821KA01# | |
| | | | 1000pF | ±10% | GMD155R71H102KA01# | |
| | | | 1200pF | ±10% | GMD155R71H122KA01# | |
| | | | 1500pF | ±10% | GMD155R71H152KA01# | |
| | | | 1800pF | ±10% | GMD155R71H182KA01# | |
| | | | 2200pF | ±10% | GMD155R71H222KA01# | |
| | | | 2700pF | ±10% | GMD155R71H272KA01# | |
| | | | 3300pF | ±10% | GMD155R71H332KA01# | |
| | | | 3900pF | ±10% | GMD155R71H392KA01# | |
| | | | 4700pF | ±10% | GMD155R71H472KA01# | |
| | | R | 220pF | ±10% | GMD155R11H221KA01# | |

Part number # indicates the package specification code.

# GMD Series High Dielectric Constant Type Bonding Part Number List

(→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | R | 270pF | ±10% | GMD155R11H271KA01# | |
| | | | 330pF | ±10% | GMD155R11H331KA01# | |
| | | | 390pF | ±10% | GMD155R11H391KA01# | |
| | | | 470pF | ±10% | GMD155R11H471KA01# | |
| | | | 560pF | ±10% | GMD155R11H561KA01# | |
| | | | 680pF | ±10% | GMD155R11H681KA01# | |
| | | | 820pF | ±10% | GMD155R11H821KA01# | |
| | | | 1000pF | ±10% | GMD155R11H102KA01# | |
| | | | 1200pF | ±10% | GMD155R11H122KA01# | |
| | | | 1500pF | ±10% | GMD155R11H152KA01# | |
| | | | 1800pF | ±10% | GMD155R11H182KA01# | |
| | | | 2200pF | ±10% | GMD155R11H222KA01# | |
| | | | 2700pF | ±10% | GMD155R11H272KA01# | |
| | | | 3300pF | ±10% | GMD155R11H332KA01# | |
| | | | 3900pF | ±10% | GMD155R11H392KA01# | |
| | | | 4700pF | ±10% | GMD155R11H472KA01# | |
| | | B | 220pF | ±10% | GMD155B11H221KA01# | |
| | | | 270pF | ±10% | GMD155B11H271KA01# | |
| | | | 330pF | ±10% | GMD155B11H331KA01# | |
| | | | 390pF | ±10% | GMD155B11H391KA01# | |
| | | | 470pF | ±10% | GMD155B11H471KA01# | |
| | | | 560pF | ±10% | GMD155B11H561KA01# | |
| | | | 680pF | ±10% | GMD155B11H681KA01# | |
| | | | 820pF | ±10% | GMD155B11H821KA01# | |
| | | | 1000pF | ±10% | GMD155B11H102KA01# | |
| | | | 1200pF | ±10% | GMD155B11H122KA01# | |
| | | | 1500pF | ±10% | GMD155B11H152KA01# | |
| | | | 1800pF | ±10% | GMD155B11H182KA01# | |
| | | | 2200pF | ±10% | GMD155B11H222KA01# | |
| | | | 2700pF | ±10% | GMD155B11H272KA01# | |
| | | | 3300pF | ±10% | GMD155B11H332KA01# | |
| | | | 3900pF | ±10% | GMD155B11H392KA01# | |
| | | | 4700pF | ±10% | GMD155B11H472KA01# | |
| | 25Vdc | X7R | 5600pF | ±10% | GMD155R71E562KA01# | |
| | | | 6800pF | ±10% | GMD155R71E682KA01# | |
| | | | 8200pF | ±10% | GMD155R71E822KA01# | |
| | | | 10000pF | ±10% | GMD155R71E103KA01# | |
| | | | 12000pF | ±10% | GMD155R71E123KA01# | |
| | | | 15000pF | ±10% | GMD155R71E153KA01# | |
| | | | 18000pF | ±10% | GMD155R71E183KA01# | |
| | | | 22000pF | ±10% | GMD155R71E223KA01# | |
| | | | 27000pF | ±10% | GMD155R71E273KA11# | |
| | | | 33000pF | ±10% | GMD155R71E333KA11# | |
| | | | 39000pF | ±10% | GMD155R71E393KA11# | |
| | | | 47000pF | ±10% | GMD155R71E473KA11# | |
| | | R | 5600pF | ±10% | GMD155R11E562KA01# | |
| | | | 6800pF | ±10% | GMD155R11E682KA01# | |
| | | | 8200pF | ±10% | GMD155R11E822KA01# | |
| | | | 10000pF | ±10% | GMD155R11E103KA01# | |
| | | | 12000pF | ±10% | GMD155R11E123KA01# | |
| | | | 15000pF | ±10% | GMD155R11E153KA01# | |
| | | | 18000pF | ±10% | GMD155R11E183KA01# | |
| | | | 22000pF | ±10% | GMD155R11E223KA01# | |
| | | | 27000pF | ±10% | GMD155R11E273KA11# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 25Vdc | R | 33000pF | ±10% | GMD155R11E333KA11# | |
| | | | 39000pF | ±10% | GMD155R11E393KA11# | |
| | | | 47000pF | ±10% | GMD155R11E473KA11# | |
| | | B | 5600pF | ±10% | GMD155B11E562KA01# | |
| | | | 6800pF | ±10% | GMD155B11E682KA01# | |
| | | | 8200pF | ±10% | GMD155B11E822KA01# | |
| | | | 10000pF | ±10% | GMD155B11E103KA01# | |
| | | | 12000pF | ±10% | GMD155B11E123KA01# | |
| | | | 15000pF | ±10% | GMD155B11E153KA01# | |
| | | | 18000pF | ±10% | GMD155B11E183KA01# | |
| | | | 22000pF | ±10% | GMD155B11E223KA01# | |
| | | | 27000pF | ±10% | GMD155B31E273KA11# | |
| | | | 33000pF | ±10% | GMD155B31E333KA11# | |
| | | | 39000pF | ±10% | GMD155B31E393KA11# | |
| | | | 47000pF | ±10% | GMD155B31E473KA11# | |
| | 16Vdc | X7R | 56000pF | ±10% | GMD155R71C563KA11# | |
| | | | 68000pF | ±10% | GMD155R71C683KA11# | |
| | | | 82000pF | ±10% | GMD155R71C823KA11# | |
| | | | 0.10μF | ±10% | GMD155R71C104KA11# | |
| | | R | 56000pF | ±10% | GMD155R11C563KA11# | |
| | | | 68000pF | ±10% | GMD155R11C683KA11# | |
| | | | 82000pF | ±10% | GMD155R11C823KA11# | |
| | | | 0.10μF | ±10% | GMD155R11C104KA11# | |
| | | B | 56000pF | ±10% | GMD155B31C563KA11# | |
| | | | 68000pF | ±10% | GMD155B31C683KA11# | |
| | | | 82000pF | ±10% | GMD155B31C823KA11# | |
| | | | 0.10μF | ±10% | GMD155B31C104KA11# | |
| | 10Vdc | X5R | 0.12μF | ±10% | GMD155R61A124KE12# | |
| | | | 0.15μF | ±10% | GMD155R61A154KE12# | |
| | | | 0.18μF | ±10% | GMD155R61A184KE12# | |
| | | | 0.22μF | ±10% | GMD155R61A224KE12# | |
| | | | 0.27μF | ±10% | GMD155R61A274KE11# | D1 |
| | | | 0.33μF | ±10% | GMD155R61A334KE11# | D1 |
| | | | 0.39μF | ±10% | GMD155R61A394KE11# | D1 |
| | | | 0.47μF | ±10% | GMD155R61A474KE11# | D1 |
| | | B | 0.12μF | ±10% | GMD155B31A124KE12# | |
| | | | 0.15μF | ±10% | GMD155B31A154KE12# | |
| | | | 0.18μF | ±10% | GMD155B31A184KE12# | |
| | | | 0.22μF | ±10% | GMD155B31A224KE12# | |
| | | | 0.27μF | ±10% | GMD155B31A274KE11# | D1 |
| | | | 0.33μF | ±10% | GMD155B31A334KE11# | D1 |
| | | | 0.39μF | ±10% | GMD155B31A394KE11# | D1 |
| | | | 0.47μF | ±10% | GMD155B31A474KE11# | D1 |

Part number # indicates the package specification code.

High Q Monolithic Ceramic Capacitor for High frequency and High power

# GQM Series

High Q WEB

## High Frequency Capacitor Ideal for PA Design of Base Stations

## Features

### 1 Mainly ideal for base stations of mobile communication devices and temperature compensation of related modules.

This product is ideal for temperature compensation of high frequency circuits, such as resonant circuits, tuning circuits, and impedance matching circuits where the operating characteristics of the device are greatly affected by the capacitance fluctuation.

<Example of Structure>

### 2 High Q and low ESR in VHF, UHF and microwave frequency bands.

High Q and low ESR were achieved at a high frequency by adopting ceramic material as the dielectric material which enables an extremely low loss at high frequency, and base metal electrodes as the internal electrodes.

<Comparison between Q - Frequency Characteristics>

<Comparison between Q - Frequency Characteristics>

### 3 Can be used for tight tolerance.

In addition to standard tolerance, the allowable range of this product is also suitable for the following narrow tolerance.

| Capacitance Range | Standard Capacitance Tolerance (Capacitance Tolerance Symbol) | Narrow Capacitance Tolerance (Capacitance Tolerance Symbol) |
|---|---|---|
| to 0.9pF | ±0.1pF (B) | ±0.05pF (W) |
| 1.0 to 5.0pF | ±0.25pF (C) | ±0.05pF (W), ±0.1pF (B) |
| 5.1 to 9.9pF | ±0.5pF (D) | ±0.05pF (W), ±0.1pF (B), ±0.25pF (C) |
| 10pF to | ±5% (J) | ±2% (G) |

## Specifications

| | |
|---|---|
| Size (mm) | 1.0×0.5mm to 2.8×2.8mm |
| Rated Voltage | 50Vdc to 500Vdc |
| Capacitance | 0.10pF to 200pF |
| Main Applications | Measuring instruments, other ultra compact/thin devices |

<Dimensions>

This catalog contains only a portion of the product lineup.
Please refer to the capacitor search tool on the Murata Web site for details.

# GQM Series Temperature Compensating Type High Q Part Number List

## 1.0×0.5mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 200Vdc | C0G | 0.10pF | ±0.1pF | GQM1555C2DR10BB01# | |
| | | | 0.20pF | ±0.1pF | GQM1555C2DR20BB01# | |
| | | | 0.30pF | ±0.1pF | GQM1555C2DR30BB01# | |
| | | | | ±0.25pF | GQM1555C2DR30CB01# | |
| | | | 0.40pF | ±0.1pF | GQM1555C2DR40BB01# | |
| | | | | ±0.25pF | GQM1555C2DR40CB01# | |
| | | | 0.50pF | ±0.1pF | GQM1555C2DR50BB01# | |
| | | | | ±0.25pF | GQM1555C2DR50CB01# | |
| | | | 0.60pF | ±0.1pF | GQM1555C2DR60BB01# | |
| | | | | ±0.25pF | GQM1555C2DR60CB01# | |
| | | | 0.70pF | ±0.1pF | GQM1555C2DR70BB01# | |
| | | | | ±0.25pF | GQM1555C2DR70CB01# | |
| | | | 0.75pF | ±0.1pF | GQM1555C2DR75BB01# | |
| | | | | ±0.25pF | GQM1555C2DR75CB01# | |
| | | | 0.80pF | ±0.1pF | GQM1555C2DR80BB01# | |
| | | | | ±0.25pF | GQM1555C2DR80CB01# | |
| | | | 0.90pF | ±0.1pF | GQM1555C2DR90BB01# | |
| | | | | ±0.25pF | GQM1555C2DR90CB01# | |
| | | | 1.0pF | ±0.1pF | GQM1555C2D1R0BB01# | |
| | | | | ±0.25pF | GQM1555C2D1R0CB01# | |
| | | | 1.1pF | ±0.1pF | GQM1555C2D1R1BB01# | |
| | | | | ±0.25pF | GQM1555C2D1R1CB01# | |
| | | | 1.2pF | ±0.1pF | GQM1555C2D1R2BB01# | |
| | | | | ±0.25pF | GQM1555C2D1R2CB01# | |
| | | | 1.3pF | ±0.1pF | GQM1555C2D1R3BB01# | |
| | | | | ±0.25pF | GQM1555C2D1R3CB01# | |
| | | | 1.5pF | ±0.1pF | GQM1555C2D1R5BB01# | |
| | | | | ±0.25pF | GQM1555C2D1R5CB01# | |
| | | | 1.6pF | ±0.1pF | GQM1555C2D1R6BB01# | |
| | | | | ±0.25pF | GQM1555C2D1R6CB01# | |
| | | | 1.8pF | ±0.1pF | GQM1555C2D1R8BB01# | |
| | | | | ±0.25pF | GQM1555C2D1R8CB01# | |
| | | | 2.0pF | ±0.1pF | GQM1555C2D2R0BB01# | |
| | | | | ±0.25pF | GQM1555C2D2R0CB01# | |
| | | | 2.2pF | ±0.1pF | GQM1555C2D2R2BB01# | |
| | | | | ±0.25pF | GQM1555C2D2R2CB01# | |
| | | | 2.4pF | ±0.1pF | GQM1555C2D2R4BB01# | |
| | | | | ±0.25pF | GQM1555C2D2R4CB01# | |
| | | | 2.7pF | ±0.1pF | GQM1555C2D2R7BB01# | |
| | | | | ±0.25pF | GQM1555C2D2R7CB01# | |
| | | | 3.0pF | ±0.1pF | GQM1555C2D3R0BB01# | |
| | | | | ±0.25pF | GQM1555C2D3R0CB01# | |
| | | | 3.3pF | ±0.1pF | GQM1555C2D3R3BB01# | |
| | | | | ±0.25pF | GQM1555C2D3R3CB01# | |
| | | | 3.6pF | ±0.1pF | GQM1555C2D3R6BB01# | |
| | | | | ±0.25pF | GQM1555C2D3R6CB01# | |
| | | | 3.9pF | ±0.1pF | GQM1555C2D3R9BB01# | |
| | | | | ±0.25pF | GQM1555C2D3R9CB01# | |
| | | | 4.0pF | ±0.1pF | GQM1555C2D4R0BB01# | |
| | | | | ±0.25pF | GQM1555C2D4R0CB01# | |
| | | | 4.3pF | ±0.1pF | GQM1555C2D4R3BB01# | |
| | | | | ±0.25pF | GQM1555C2D4R3CB01# | |
| | | | 4.7pF | ±0.1pF | GQM1555C2D4R7BB01# | |
| | | | | ±0.25pF | GQM1555C2D4R7CB01# | |
| | | | 5.0pF | ±0.1pF | GQM1555C2D5R0BB01# | |
| | | | | ±0.25pF | GQM1555C2D5R0CB01# | |
| | | | 5.1pF | ±0.1pF | GQM1555C2D5R1BB01# | |
| | | | | ±0.25pF | GQM1555C2D5R1CB01# | |
| | | | 5.6pF | ±0.1pF | GQM1555C2D5R6BB01# | |
| | | | | ±0.25pF | GQM1555C2D5R6CB01# | |
| | | | 6.0pF | ±0.1pF | GQM1555C2D6R0BB01# | |
| | | | | ±0.25pF | GQM1555C2D6R0CB01# | |
| | | | 6.2pF | ±0.1pF | GQM1555C2D6R2BB01# | |
| | | | | ±0.25pF | GQM1555C2D6R2CB01# | |
| | | | 6.8pF | ±0.1pF | GQM1555C2D6R8BB01# | |
| | | | | ±0.25pF | GQM1555C2D6R8CB01# | |
| | | | 7.0pF | ±0.1pF | GQM1555C2D7R0BB01# | |
| | | | | ±0.25pF | GQM1555C2D7R0CB01# | |
| | | | 7.5pF | ±0.1pF | GQM1555C2D7R5BB01# | |
| | | | | ±0.25pF | GQM1555C2D7R5CB01# | |
| | | | 8.0pF | ±0.1pF | GQM1555C2D8R0BB01# | |
| | | | | ±0.25pF | GQM1555C2D8R0CB01# | |
| | | | 8.2pF | ±0.1pF | GQM1555C2D8R2BB01# | |
| | | | | ±0.25pF | GQM1555C2D8R2CB01# | |
| | | | 9.0pF | ±0.1pF | GQM1555C2D9R0BB01# | |
| | | | | ±0.25pF | GQM1555C2D9R0CB01# | |
| | | | 9.1pF | ±0.1pF | GQM1555C2D9R1BB01# | |
| | | | | ±0.25pF | GQM1555C2D9R1CB01# | |
| | | | 10pF | ±2% | GQM1555C2D100GB01# | |
| | | | | ±5% | GQM1555C2D100JB01# | |
| | | | 11pF | ±2% | GQM1555C2D110GB01# | |
| | | | | ±5% | GQM1555C2D110JB01# | |
| | | | 12pF | ±2% | GQM1555C2D120GB01# | |
| | | | | ±5% | GQM1555C2D120JB01# | |
| | | | 13pF | ±2% | GQM1555C2D130GB01# | |
| | | | | ±5% | GQM1555C2D130JB01# | |
| | | | 15pF | ±2% | GQM1555C2D150GB01# | |
| | | | | ±5% | GQM1555C2D150JB01# | |
| | | | 16pF | ±2% | GQM1555C2D160GB01# | |
| | | | | ±5% | GQM1555C2D160JB01# | |
| | | | 18pF | ±2% | GQM1555C2D180GB01# | |
| | | | | ±5% | GQM1555C2D180JB01# | |
| | | | 20pF | ±2% | GQM1555C2D200GB01# | |
| | | | | ±5% | GQM1555C2D200JB01# | |
| | | | 22pF | ±2% | GQM1555C2D220GB01# | |
| | | | | ±5% | GQM1555C2D220JB01# | |
| | | | 24pF | ±2% | GQM1555C2D240GB01# | |
| | | | | ±5% | GQM1555C2D240JB01# | |
| | | | 27pF | ±2% | GQM1555C2D270GB01# | |
| | | | | ±5% | GQM1555C2D270JB01# | |
| | | | 30pF | ±2% | GQM1555C2D300GB01# | |
| | | | | ±5% | GQM1555C2D300JB01# | |
| | | | 33pF | ±2% | GQM1555C2D330GB01# | |
| | | | | ±5% | GQM1555C2D330JB01# | |
| | 100Vdc | C0G | 36pF | ±2% | GQM1555C2A360GB01# | |
| | | | | ±5% | GQM1555C2A360JB01# | |

Part number # indicates the package specification code.

# GQM Series Temperature Compensating Type High Q Part Number List

## (→ 1.0×0.5mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | C0G | 39pF | ±2% | GQM1555C2A390GB01# | |
| | | | | ±5% | GQM1555C2A390JB01# | |
| | | | 43pF | ±2% | GQM1555C2A430GB01# | |
| | | | | ±5% | GQM1555C2A430JB01# | |
| | | | 47pF | ±2% | GQM1555C2A470GB01# | |
| | | | | ±5% | GQM1555C2A470JB01# | |

## 1.6×0.8mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.8mm | 250Vdc | C0G | 1.0pF | ±0.1pF | GQM1875C2E1R0BB12# | |
| | | | | ±0.25pF | GQM1875C2E1R0CB12# | |
| | | | 1.1pF | ±0.1pF | GQM1875C2E1R1BB12# | |
| | | | | ±0.25pF | GQM1875C2E1R1CB12# | |
| | | | 1.2pF | ±0.1pF | GQM1875C2E1R2BB12# | |
| | | | | ±0.25pF | GQM1875C2E1R2CB12# | |
| | | | 1.3pF | ±0.1pF | GQM1875C2E1R3BB12# | |
| | | | | ±0.25pF | GQM1875C2E1R3CB12# | |
| | | | 1.5pF | ±0.1pF | GQM1875C2E1R5BB12# | |
| | | | | ±0.25pF | GQM1875C2E1R5CB12# | |
| | | | 1.6pF | ±0.1pF | GQM1875C2E1R6BB12# | |
| | | | | ±0.25pF | GQM1875C2E1R6CB12# | |
| | | | 1.8pF | ±0.1pF | GQM1875C2E1R8BB12# | |
| | | | | ±0.25pF | GQM1875C2E1R8CB12# | |
| | | | 2.0pF | ±0.1pF | GQM1875C2E2R0BB12# | |
| | | | | ±0.25pF | GQM1875C2E2R0CB12# | |
| | | | 2.2pF | ±0.1pF | GQM1875C2E2R2BB12# | |
| | | | | ±0.25pF | GQM1875C2E2R2CB12# | |
| | | | 2.4pF | ±0.1pF | GQM1875C2E2R4BB12# | |
| | | | | ±0.25pF | GQM1875C2E2R4CB12# | |
| | | | 2.7pF | ±0.1pF | GQM1875C2E2R7BB12# | |
| | | | | ±0.25pF | GQM1875C2E2R7CB12# | |
| | | | 3.0pF | ±0.1pF | GQM1875C2E3R0BB12# | |
| | | | | ±0.25pF | GQM1875C2E3R0CB12# | |
| | | | 3.3pF | ±0.1pF | GQM1875C2E3R3BB12# | |
| | | | | ±0.25pF | GQM1875C2E3R3CB12# | |
| | | | 3.6pF | ±0.1pF | GQM1875C2E3R6BB12# | |
| | | | | ±0.25pF | GQM1875C2E3R6CB12# | |
| | | | 3.9pF | ±0.1pF | GQM1875C2E3R9BB12# | |
| | | | | ±0.25pF | GQM1875C2E3R9CB12# | |
| | | | 4.0pF | ±0.1pF | GQM1875C2E4R0BB12# | |
| | | | | ±0.25pF | GQM1875C2E4R0CB12# | |
| | | | 4.3pF | ±0.1pF | GQM1875C2E4R3BB12# | |
| | | | | ±0.25pF | GQM1875C2E4R3CB12# | |
| | | | 4.7pF | ±0.1pF | GQM1875C2E4R7BB12# | |
| | | | | ±0.25pF | GQM1875C2E4R7CB12# | |
| | | | 5.0pF | ±0.1pF | GQM1875C2E5R0BB12# | |
| | | | | ±0.25pF | GQM1875C2E5R0CB12# | |
| | | | 5.1pF | ±0.25pF | GQM1875C2E5R1CB12# | |
| | | | | ±0.5pF | GQM1875C2E5R1DB12# | |
| | | | 5.6pF | ±0.25pF | GQM1875C2E5R6CB12# | |
| | | | | ±0.5pF | GQM1875C2E5R6DB12# | |
| | | | 6.0pF | ±0.25pF | GQM1875C2E6R0CB12# | |
| 0.8mm | 250Vdc | C0G | 6.0pF | ±0.5pF | GQM1875C2E6R0DB12# | |
| | | | 6.2pF | ±0.25pF | GQM1875C2E6R2CB12# | |
| | | | | ±0.5pF | GQM1875C2E6R2DB12# | |
| | | | 6.8pF | ±0.25pF | GQM1875C2E6R8CB12# | |
| | | | | ±0.5pF | GQM1875C2E6R8DB12# | |
| | | | 7.0pF | ±0.25pF | GQM1875C2E7R0CB12# | |
| | | | | ±0.5pF | GQM1875C2E7R0DB12# | |
| | | | 7.5pF | ±0.25pF | GQM1875C2E7R5CB12# | |
| | | | | ±0.5pF | GQM1875C2E7R5DB12# | |
| | | | 8.0pF | ±0.25pF | GQM1875C2E8R0CB12# | |
| | | | | ±0.5pF | GQM1875C2E8R0DB12# | |
| | | | 8.2pF | ±0.25pF | GQM1875C2E8R2CB12# | |
| | | | | ±0.5pF | GQM1875C2E8R2DB12# | |
| | | | 9.0pF | ±0.25pF | GQM1875C2E9R0CB12# | |
| | | | | ±0.5pF | GQM1875C2E9R0DB12# | |
| | | | 9.1pF | ±0.25pF | GQM1875C2E9R1CB12# | |
| | | | | ±0.5pF | GQM1875C2E9R1DB12# | |
| | | | 10pF | ±2% | GQM1875C2E100GB12# | |
| | | | | ±5% | GQM1875C2E100JB12# | |
| | | | 11pF | ±2% | GQM1875C2E110GB12# | |
| | | | | ±5% | GQM1875C2E110JB12# | |
| | | | 12pF | ±2% | GQM1875C2E120GB12# | |
| | | | | ±5% | GQM1875C2E120JB12# | |
| | | | 13pF | ±2% | GQM1875C2E130GB12# | |
| | | | | ±5% | GQM1875C2E130JB12# | |
| | | | 15pF | ±2% | GQM1875C2E150GB12# | |
| | | | | ±5% | GQM1875C2E150JB12# | |
| | | | 16pF | ±2% | GQM1875C2E160GB12# | |
| | | | | ±5% | GQM1875C2E160JB12# | |
| | | | 18pF | ±2% | GQM1875C2E180GB12# | |
| | | | | ±5% | GQM1875C2E180JB12# | |
| | | | 20pF | ±2% | GQM1875C2E200GB12# | |
| | | | | ±5% | GQM1875C2E200JB12# | |
| | | | 22pF | ±2% | GQM1875C2E220GB12# | |
| | | | | ±5% | GQM1875C2E220JB12# | |
| | | | 24pF | ±2% | GQM1875C2E240GB12# | |
| | | | | ±5% | GQM1875C2E240JB12# | |
| | | | 27pF | ±2% | GQM1875C2E270GB12# | |
| | | | | ±5% | GQM1875C2E270JB12# | |
| | | | 30pF | ±2% | GQM1875C2E300GB12# | |
| | | | | ±5% | GQM1875C2E300JB12# | |
| | | | 33pF | ±2% | GQM1875C2E330GB12# | |
| | | | | ±5% | GQM1875C2E330JB12# | |
| | | | 36pF | ±2% | GQM1875C2E360GB12# | |
| | | | | ±5% | GQM1875C2E360JB12# | |
| | | | 39pF | ±2% | GQM1875C2E390GB12# | |
| | | | | ±5% | GQM1875C2E390JB12# | |
| | | | 43pF | ±2% | GQM1875C2E430GB12# | |
| | | | | ±5% | GQM1875C2E430JB12# | |
| | | | 47pF | ±2% | GQM1875C2E470GB12# | |
| | | | | ±5% | GQM1875C2E470JB12# | |
| 0.9mm | 100Vdc | C0G | 1.0pF | ±0.1pF | GQM1885C2A1R0BB01# | |
| | | | | ±0.25pF | GQM1885C2A1R0CB01# | |
| | | | 1.1pF | ±0.1pF | GQM1885C2A1R1BB01# | |

Part number # indicates the package specification code.

# GQM Series Temperature Compensating Type High Q Part Number List

(→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | C0G | 1.1pF | ±0.25pF | GQM1885C2A1R1CB01# | |
| | | | 1.2pF | ±0.1pF | GQM1885C2A1R2BB01# | |
| | | | | ±0.25pF | GQM1885C2A1R2CB01# | |
| | | | 1.3pF | ±0.1pF | GQM1885C2A1R3BB01# | |
| | | | | ±0.25pF | GQM1885C2A1R3CB01# | |
| | | | 1.5pF | ±0.1pF | GQM1885C2A1R5BB01# | |
| | | | | ±0.25pF | GQM1885C2A1R5CB01# | |
| | | | 1.6pF | ±0.1pF | GQM1885C2A1R6BB01# | |
| | | | | ±0.25pF | GQM1885C2A1R6CB01# | |
| | | | 1.8pF | ±0.1pF | GQM1885C2A1R8BB01# | |
| | | | | ±0.25pF | GQM1885C2A1R8CB01# | |
| | | | 2.0pF | ±0.1pF | GQM1885C2A2R0BB01# | |
| | | | | ±0.25pF | GQM1885C2A2R0CB01# | |
| | | | 2.2pF | ±0.1pF | GQM1885C2A2R2BB01# | |
| | | | | ±0.25pF | GQM1885C2A2R2CB01# | |
| | | | 2.4pF | ±0.1pF | GQM1885C2A2R4BB01# | |
| | | | | ±0.25pF | GQM1885C2A2R4CB01# | |
| | | | 2.7pF | ±0.1pF | GQM1885C2A2R7BB01# | |
| | | | | ±0.25pF | GQM1885C2A2R7CB01# | |
| | | | 3.0pF | ±0.1pF | GQM1885C2A3R0BB01# | |
| | | | | ±0.25pF | GQM1885C2A3R0CB01# | |
| | | | 3.3pF | ±0.1pF | GQM1885C2A3R3BB01# | |
| | | | | ±0.25pF | GQM1885C2A3R3CB01# | |
| | | | 3.6pF | ±0.1pF | GQM1885C2A3R6BB01# | |
| | | | | ±0.25pF | GQM1885C2A3R6CB01# | |
| | | | 3.9pF | ±0.1pF | GQM1885C2A3R9BB01# | |
| | | | | ±0.25pF | GQM1885C2A3R9CB01# | |
| | | | 4.0pF | ±0.1pF | GQM1885C2A4R0BB01# | |
| | | | | ±0.25pF | GQM1885C2A4R0CB01# | |
| | | | 4.3pF | ±0.1pF | GQM1885C2A4R3BB01# | |
| | | | | ±0.25pF | GQM1885C2A4R3CB01# | |
| | | | 4.7pF | ±0.1pF | GQM1885C2A4R7BB01# | |
| | | | | ±0.25pF | GQM1885C2A4R7CB01# | |
| | | | 5.0pF | ±0.1pF | GQM1885C2A5R0BB01# | |
| | | | | ±0.25pF | GQM1885C2A5R0CB01# | |
| | | | 5.1pF | ±0.25pF | GQM1885C2A5R1CB01# | |
| | | | | ±0.5pF | GQM1885C2A5R1DB01# | |
| | | | 5.6pF | ±0.25pF | GQM1885C2A5R6CB01# | |
| | | | | ±0.5pF | GQM1885C2A5R6DB01# | |
| | | | 6.0pF | ±0.25pF | GQM1885C2A6R0CB01# | |
| | | | | ±0.5pF | GQM1885C2A6R0DB01# | |
| | | | 6.2pF | ±0.25pF | GQM1885C2A6R2CB01# | |
| | | | | ±0.5pF | GQM1885C2A6R2DB01# | |
| | | | 6.8pF | ±0.25pF | GQM1885C2A6R8CB01# | |
| | | | | ±0.5pF | GQM1885C2A6R8DB01# | |
| | | CK | 1.0pF | ±0.1pF | GQM1884C2A1R0BB01# | |
| | | | | ±0.25pF | GQM1884C2A1R0CB01# | |
| | | | 1.1pF | ±0.1pF | GQM1884C2A1R1BB01# | |
| | | | | ±0.25pF | GQM1884C2A1R1CB01# | |
| | | | 1.2pF | ±0.1pF | GQM1884C2A1R2BB01# | |
| | | | | ±0.25pF | GQM1884C2A1R2CB01# | |
| | | | 1.3pF | ±0.1pF | GQM1884C2A1R3BB01# | |
| | | | | ±0.25pF | GQM1884C2A1R3CB01# | |
| | | | 1.5pF | ±0.1pF | GQM1884C2A1R5BB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | CK | 1.5pF | ±0.25pF | GQM1884C2A1R5CB01# | |
| | | | 1.6pF | ±0.1pF | GQM1884C2A1R6BB01# | |
| | | | | ±0.25pF | GQM1884C2A1R6CB01# | |
| | | | 1.8pF | ±0.1pF | GQM1884C2A1R8BB01# | |
| | | | | ±0.25pF | GQM1884C2A1R8CB01# | |
| | | | 2.0pF | ±0.1pF | GQM1884C2A2R0BB01# | |
| | | | | ±0.25pF | GQM1884C2A2R0CB01# | |
| | | CJ | 2.2pF | ±0.1pF | GQM1883C2A2R2BB01# | |
| | | | | ±0.25pF | GQM1883C2A2R2CB01# | |
| | | | 2.4pF | ±0.1pF | GQM1883C2A2R4BB01# | |
| | | | | ±0.25pF | GQM1883C2A2R4CB01# | |
| | | | 2.7pF | ±0.1pF | GQM1883C2A2R7BB01# | |
| | | | | ±0.25pF | GQM1883C2A2R7CB01# | |
| | | | 3.0pF | ±0.1pF | GQM1883C2A3R0BB01# | |
| | | | | ±0.25pF | GQM1883C2A3R0CB01# | |
| | | | 3.3pF | ±0.1pF | GQM1883C2A3R3BB01# | |
| | | | | ±0.25pF | GQM1883C2A3R3CB01# | |
| | | | 3.6pF | ±0.1pF | GQM1883C2A3R6BB01# | |
| | | | | ±0.25pF | GQM1883C2A3R6CB01# | |
| | | | 3.9pF | ±0.1pF | GQM1883C2A3R9BB01# | |
| | | | | ±0.25pF | GQM1883C2A3R9CB01# | |
| | | CH | 4.0pF | ±0.1pF | GQM1882C2A4R0BB01# | |
| | | | | ±0.25pF | GQM1882C2A4R0CB01# | |
| | | | 4.3pF | ±0.1pF | GQM1882C2A4R3BB01# | |
| | | | | ±0.25pF | GQM1882C2A4R3CB01# | |
| | | | 4.7pF | ±0.1pF | GQM1882C2A4R7BB01# | |
| | | | | ±0.25pF | GQM1882C2A4R7CB01# | |
| | | | 5.0pF | ±0.1pF | GQM1882C2A5R0BB01# | |
| | | | | ±0.25pF | GQM1882C2A5R0CB01# | |
| | | | 5.1pF | ±0.25pF | GQM1882C2A5R1CB01# | |
| | | | | ±0.5pF | GQM1882C2A5R1DB01# | |
| | | | 5.6pF | ±0.25pF | GQM1882C2A5R6CB01# | |
| | | | | ±0.5pF | GQM1882C2A5R6DB01# | |
| | | | 6.0pF | ±0.25pF | GQM1882C2A6R0CB01# | |
| | | | | ±0.5pF | GQM1882C2A6R0DB01# | |
| | | | 6.2pF | ±0.25pF | GQM1882C2A6R2CB01# | |
| | | | | ±0.5pF | GQM1882C2A6R2DB01# | |
| | | | 6.8pF | ±0.25pF | GQM1882C2A6R8CB01# | |
| | | | | ±0.5pF | GQM1882C2A6R8DB01# | |
| | 50Vdc | C0G | 7.0pF | ±0.25pF | GQM1885C1H7R0CB01# | |
| | | | | ±0.5pF | GQM1885C1H7R0DB01# | |
| | | | 7.5pF | ±0.25pF | GQM1885C1H7R5CB01# | |
| | | | | ±0.5pF | GQM1885C1H7R5DB01# | |
| | | | 8.0pF | ±0.25pF | GQM1885C1H8R0CB01# | |
| | | | | ±0.5pF | GQM1885C1H8R0DB01# | |
| | | | 8.2pF | ±0.25pF | GQM1885C1H8R2CB01# | |
| | | | | ±0.5pF | GQM1885C1H8R2DB01# | |
| | | | 9.0pF | ±0.25pF | GQM1885C1H9R0CB01# | |
| | | | | ±0.5pF | GQM1885C1H9R0DB01# | |
| | | | 9.1pF | ±0.25pF | GQM1885C1H9R1CB01# | |
| | | | | ±0.5pF | GQM1885C1H9R1DB01# | |
| | | | 10pF | ±2% | GQM1885C1H100GB01# | |
| | | | | ±5% | GQM1885C1H100JB01# | |
| | | | 11pF | ±2% | GQM1885C1H110GB01# | |

Part number # indicates the package specification code.

# GQM Series Temperature Compensating Type High Q Part Number List

(→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | C0G | 11pF | ±5% | GQM1885C1H110JB01# | |
| | | | 12pF | ±2% | GQM1885C1H120GB01# | |
| | | | | ±5% | GQM1885C1H120JB01# | |
| | | | 13pF | ±2% | GQM1885C1H130GB01# | |
| | | | | ±5% | GQM1885C1H130JB01# | |
| | | | 15pF | ±2% | GQM1885C1H150GB01# | |
| | | | | ±5% | GQM1885C1H150JB01# | |
| | | | 16pF | ±2% | GQM1885C1H160GB01# | |
| | | | | ±5% | GQM1885C1H160JB01# | |
| | | | 18pF | ±2% | GQM1885C1H180GB01# | |
| | | | | ±5% | GQM1885C1H180JB01# | |
| | | | 20pF | ±2% | GQM1885C1H200GB01# | |
| | | | | ±5% | GQM1885C1H200JB01# | |
| | | | 22pF | ±2% | GQM1885C1H220GB01# | |
| | | | | ±5% | GQM1885C1H220JB01# | |
| | | | 24pF | ±2% | GQM1885C1H240GB01# | |
| | | | | ±5% | GQM1885C1H240JB01# | |
| | | | 27pF | ±2% | GQM1885C1H270GB01# | |
| | | | | ±5% | GQM1885C1H270JB01# | |
| | | | 30pF | ±2% | GQM1885C1H300GB01# | |
| | | | | ±5% | GQM1885C1H300JB01# | |
| | | | 33pF | ±2% | GQM1885C1H330GB01# | |
| | | | | ±5% | GQM1885C1H330JB01# | |
| | | | 36pF | ±2% | GQM1885C1H360GB01# | |
| | | | | ±5% | GQM1885C1H360JB01# | |
| | | | 39pF | ±2% | GQM1885C1H390GB01# | |
| | | | | ±5% | GQM1885C1H390JB01# | |
| | | | 43pF | ±2% | GQM1885C1H430GB01# | |
| | | | | ±5% | GQM1885C1H430JB01# | |
| | | | 47pF | ±2% | GQM1885C1H470GB01# | |
| | | | | ±5% | GQM1885C1H470JB01# | |
| | | | 51pF | ±2% | GQM1885C1H510GB01# | |
| | | | | ±5% | GQM1885C1H510JB01# | |
| | | | 56pF | ±2% | GQM1885C1H560GB01# | |
| | | | | ±5% | GQM1885C1H560JB01# | |
| | | | 62pF | ±2% | GQM1885C1H620GB01# | |
| | | | | ±5% | GQM1885C1H620JB01# | |
| | | | 68pF | ±2% | GQM1885C1H680GB01# | |
| | | | | ±5% | GQM1885C1H680JB01# | |
| | | | 75pF | ±2% | GQM1885C1H750GB01# | |
| | | | | ±5% | GQM1885C1H750JB01# | |
| | | | 82pF | ±2% | GQM1885C1H820GB01# | |
| | | | | ±5% | GQM1885C1H820JB01# | |
| | | | 91pF | ±2% | GQM1885C1H910GB01# | |
| | | | | ±5% | GQM1885C1H910JB01# | |
| | | | 100pF | ±2% | GQM1885C1H101GB01# | |
| | | | | ±5% | GQM1885C1H101JB01# | |
| | | CH | 7.0pF | ±0.25pF | GQM1882C1H7R0CB01# | |
| | | | | ±0.5pF | GQM1882C1H7R0DB01# | |
| | | | 7.5pF | ±0.25pF | GQM1882C1H7R5CB01# | |
| | | | | ±0.5pF | GQM1882C1H7R5DB01# | |
| | | | 8.0pF | ±0.25pF | GQM1882C1H8R0CB01# | |
| | | | | ±0.5pF | GQM1882C1H8R0DB01# | |
| | | | 8.2pF | ±0.25pF | GQM1882C1H8R2CB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | CH | 8.2pF | ±0.5pF | GQM1882C1H8R2DB01# | |
| | | | 9.0pF | ±0.25pF | GQM1882C1H9R0CB01# | |
| | | | | ±0.5pF | GQM1882C1H9R0DB01# | |
| | | | 9.1pF | ±0.25pF | GQM1882C1H9R1CB01# | |
| | | | | ±0.5pF | GQM1882C1H9R1DB01# | |
| | | | 10pF | ±2% | GQM1882C1H100GB01# | |
| | | | | ±5% | GQM1882C1H100JB01# | |
| | | | 11pF | ±2% | GQM1882C1H110GB01# | |
| | | | | ±5% | GQM1882C1H110JB01# | |
| | | | 12pF | ±2% | GQM1882C1H120GB01# | |
| | | | | ±5% | GQM1882C1H120JB01# | |
| | | | 13pF | ±2% | GQM1882C1H130GB01# | |
| | | | | ±5% | GQM1882C1H130JB01# | |
| | | | 15pF | ±2% | GQM1882C1H150GB01# | |
| | | | | ±5% | GQM1882C1H150JB01# | |
| | | | 16pF | ±2% | GQM1882C1H160GB01# | |
| | | | | ±5% | GQM1882C1H160JB01# | |
| | | | 18pF | ±2% | GQM1882C1H180GB01# | |
| | | | | ±5% | GQM1882C1H180JB01# | |
| | | | 20pF | ±2% | GQM1882C1H200GB01# | |
| | | | | ±5% | GQM1882C1H200JB01# | |
| | | | 22pF | ±2% | GQM1882C1H220GB01# | |
| | | | | ±5% | GQM1882C1H220JB01# | |
| | | | 24pF | ±2% | GQM1882C1H240GB01# | |
| | | | | ±5% | GQM1882C1H240JB01# | |
| | | | 27pF | ±2% | GQM1882C1H270GB01# | |
| | | | | ±5% | GQM1882C1H270JB01# | |
| | | | 30pF | ±2% | GQM1882C1H300GB01# | |
| | | | | ±5% | GQM1882C1H300JB01# | |
| | | | 33pF | ±2% | GQM1882C1H330GB01# | |
| | | | | ±5% | GQM1882C1H330JB01# | |
| | | | 36pF | ±2% | GQM1882C1H360GB01# | |
| | | | | ±5% | GQM1882C1H360JB01# | |
| | | | 39pF | ±2% | GQM1882C1H390GB01# | |
| | | | | ±5% | GQM1882C1H390JB01# | |
| | | | 43pF | ±2% | GQM1882C1H430GB01# | |
| | | | | ±5% | GQM1882C1H430JB01# | |
| | | | 47pF | ±2% | GQM1882C1H470GB01# | |
| | | | | ±5% | GQM1882C1H470JB01# | |
| | | | 51pF | ±2% | GQM1882C1H510GB01# | |
| | | | | ±5% | GQM1882C1H510JB01# | |
| | | | 56pF | ±2% | GQM1882C1H560GB01# | |
| | | | | ±5% | GQM1882C1H560JB01# | |
| | | | 62pF | ±2% | GQM1882C1H620GB01# | |
| | | | | ±5% | GQM1882C1H620JB01# | |
| | | | 68pF | ±2% | GQM1882C1H680GB01# | |
| | | | | ±5% | GQM1882C1H680JB01# | |
| | | | 75pF | ±2% | GQM1882C1H750GB01# | |
| | | | | ±5% | GQM1882C1H750JB01# | |
| | | | 82pF | ±2% | GQM1882C1H820GB01# | |
| | | | | ±5% | GQM1882C1H820JB01# | |
| | | | 91pF | ±2% | GQM1882C1H910GB01# | |
| | | | | ±5% | GQM1882C1H910JB01# | |
| | | | 100pF | ±2% | GQM1882C1H101GB01# | |

Part number # indicates the package specification code.

# GQM Series Temperature Compensating Type High Q Part Number List

## (→ 1.6×0.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 50Vdc | CH | 100pF | ±5% | **GQM1882C1H101JB01#** | |

## 2.0×1.25mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.95mm | 100Vdc | C0G | 1.0pF | ±0.1pF | **GQM2195C2A1R0BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A1R0CB01#** | |
| | | | 1.1pF | ±0.1pF | **GQM2195C2A1R1BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A1R1CB01#** | |
| | | | 1.2pF | ±0.1pF | **GQM2195C2A1R2BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A1R2CB01#** | |
| | | | 1.3pF | ±0.1pF | **GQM2195C2A1R3BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A1R3CB01#** | |
| | | | 1.5pF | ±0.1pF | **GQM2195C2A1R5BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A1R5CB01#** | |
| | | | 1.6pF | ±0.1pF | **GQM2195C2A1R6BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A1R6CB01#** | |
| | | | 1.8pF | ±0.1pF | **GQM2195C2A1R8BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A1R8CB01#** | |
| | | | 2.0pF | ±0.1pF | **GQM2195C2A2R0BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A2R0CB01#** | |
| | | | 2.2pF | ±0.1pF | **GQM2195C2A2R2BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A2R2CB01#** | |
| | | | 2.4pF | ±0.1pF | **GQM2195C2A2R4BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A2R4CB01#** | |
| | | | 2.7pF | ±0.1pF | **GQM2195C2A2R7BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A2R7CB01#** | |
| | | | 3.0pF | ±0.1pF | **GQM2195C2A3R0BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A3R0CB01#** | |
| | | | 3.3pF | ±0.1pF | **GQM2195C2A3R3BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A3R3CB01#** | |
| | | | 3.6pF | ±0.1pF | **GQM2195C2A3R6BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A3R6CB01#** | |
| | | | 3.9pF | ±0.1pF | **GQM2195C2A3R9BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A3R9CB01#** | |
| | | | 4.0pF | ±0.1pF | **GQM2195C2A4R0BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A4R0CB01#** | |
| | | | 4.3pF | ±0.1pF | **GQM2195C2A4R3BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A4R3CB01#** | |
| | | | 4.7pF | ±0.1pF | **GQM2195C2A4R7BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A4R7CB01#** | |
| | | | 5.0pF | ±0.1pF | **GQM2195C2A5R0BB01#** | |
| | | | | ±0.25pF | **GQM2195C2A5R0CB01#** | |
| | | | 5.1pF | ±0.25pF | **GQM2195C2A5R1CB01#** | |
| | | | | ±0.5pF | **GQM2195C2A5R1DB01#** | |
| | | | 5.6pF | ±0.25pF | **GQM2195C2A5R6CB01#** | |
| | | | | ±0.5pF | **GQM2195C2A5R6DB01#** | |
| | | | 6.0pF | ±0.25pF | **GQM2195C2A6R0CB01#** | |
| | | | | ±0.5pF | **GQM2195C2A6R0DB01#** | |
| | | | 6.2pF | ±0.25pF | **GQM2195C2A6R2CB01#** | |
| | | | | ±0.5pF | **GQM2195C2A6R2DB01#** | |
| | | | 6.8pF | ±0.25pF | **GQM2195C2A6R8CB01#** | |
| | | | | ±0.5pF | **GQM2195C2A6R8DB01#** | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.95mm | 100Vdc | C0G | 7.0pF | ±0.25pF | **GQM2195C2A7R0CB01#** | |
| | | | | ±0.5pF | **GQM2195C2A7R0DB01#** | |
| | | | 7.5pF | ±0.25pF | **GQM2195C2A7R5CB01#** | |
| | | | | ±0.5pF | **GQM2195C2A7R5DB01#** | |
| | | | 8.0pF | ±0.25pF | **GQM2195C2A8R0CB01#** | |
| | | | | ±0.5pF | **GQM2195C2A8R0DB01#** | |
| | | | 8.2pF | ±0.25pF | **GQM2195C2A8R2CB01#** | |
| | | | | ±0.5pF | **GQM2195C2A8R2DB01#** | |
| | | | 9.0pF | ±0.25pF | **GQM2195C2A9R0CB01#** | |
| | | | | ±0.5pF | **GQM2195C2A9R0DB01#** | |
| | | | 9.1pF | ±0.25pF | **GQM2195C2A9R1CB01#** | |
| | | | | ±0.5pF | **GQM2195C2A9R1DB01#** | |
| | | | 10pF | ±2% | **GQM2195C2A100GB01#** | |
| | | | | ±5% | **GQM2195C2A100JB01#** | |
| | | | 11pF | ±2% | **GQM2195C2A110GB01#** | |
| | | | | ±5% | **GQM2195C2A110JB01#** | |
| | | | 12pF | ±2% | **GQM2195C2A120GB01#** | |
| | | | | ±5% | **GQM2195C2A120JB01#** | |
| | | | 13pF | ±2% | **GQM2195C2A130GB01#** | |
| | | | | ±5% | **GQM2195C2A130JB01#** | |
| | | | 15pF | ±2% | **GQM2195C2A150GB01#** | |
| | | | | ±5% | **GQM2195C2A150JB01#** | |
| | | | 16pF | ±2% | **GQM2195C2A160GB01#** | |
| | | | | ±5% | **GQM2195C2A160JB01#** | |
| | | | 18pF | ±2% | **GQM2195C2A180GB01#** | |
| | | | | ±5% | **GQM2195C2A180JB01#** | |
| | | CK | 1.0pF | ±0.1pF | **GQM2194C2A1R0BB01#** | |
| | | | | ±0.25pF | **GQM2194C2A1R0CB01#** | |
| | | | 1.1pF | ±0.1pF | **GQM2194C2A1R1BB01#** | |
| | | | | ±0.25pF | **GQM2194C2A1R1CB01#** | |
| | | | 1.2pF | ±0.1pF | **GQM2194C2A1R2BB01#** | |
| | | | | ±0.25pF | **GQM2194C2A1R2CB01#** | |
| | | | 1.3pF | ±0.1pF | **GQM2194C2A1R3BB01#** | |
| | | | | ±0.25pF | **GQM2194C2A1R3CB01#** | |
| | | | 1.5pF | ±0.1pF | **GQM2194C2A1R5BB01#** | |
| | | | | ±0.25pF | **GQM2194C2A1R5CB01#** | |
| | | | 1.6pF | ±0.1pF | **GQM2194C2A1R6BB01#** | |
| | | | | ±0.25pF | **GQM2194C2A1R6CB01#** | |
| | | | 1.8pF | ±0.1pF | **GQM2194C2A1R8BB01#** | |
| | | | | ±0.25pF | **GQM2194C2A1R8CB01#** | |
| | | | 2.0pF | ±0.1pF | **GQM2194C2A2R0BB01#** | |
| | | | | ±0.25pF | **GQM2194C2A2R0CB01#** | |
| | | CJ | 2.2pF | ±0.1pF | **GQM2193C2A2R2BB01#** | |
| | | | | ±0.25pF | **GQM2193C2A2R2CB01#** | |
| | | | 2.4pF | ±0.1pF | **GQM2193C2A2R4BB01#** | |
| | | | | ±0.25pF | **GQM2193C2A2R4CB01#** | |
| | | | 2.7pF | ±0.1pF | **GQM2193C2A2R7BB01#** | |
| | | | | ±0.25pF | **GQM2193C2A2R7CB01#** | |
| | | | 3.0pF | ±0.1pF | **GQM2193C2A3R0BB01#** | |
| | | | | ±0.25pF | **GQM2193C2A3R0CB01#** | |
| | | | 3.3pF | ±0.1pF | **GQM2193C2A3R3BB01#** | |
| | | | | ±0.25pF | **GQM2193C2A3R3CB01#** | |
| | | | 3.6pF | ±0.1pF | **GQM2193C2A3R6BB01#** | |
| | | | | ±0.25pF | **GQM2193C2A3R6CB01#** | |

Part number # indicates the package specification code.

# GQM Series Temperature Compensating Type High Q Part Number List

(→ 2.0×1.25mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.95mm | 100Vdc | CJ | 3.9pF | ±0.1pF | GQM2193C2A3R9BB01# | |
| | | | | ±0.25pF | GQM2193C2A3R9CB01# | |
| | | CH | 4.0pF | ±0.1pF | GQM2192C2A4R0BB01# | |
| | | | | ±0.25pF | GQM2192C2A4R0CB01# | |
| | | | 4.3pF | ±0.1pF | GQM2192C2A4R3BB01# | |
| | | | | ±0.25pF | GQM2192C2A4R3CB01# | |
| | | | 4.7pF | ±0.1pF | GQM2192C2A4R7BB01# | |
| | | | | ±0.25pF | GQM2192C2A4R7CB01# | |
| | | | 5.0pF | ±0.1pF | GQM2192C2A5R0BB01# | |
| | | | | ±0.25pF | GQM2192C2A5R0CB01# | |
| | | | 5.1pF | ±0.25pF | GQM2192C2A5R1CB01# | |
| | | | | ±0.5pF | GQM2192C2A5R1DB01# | |
| | | | 5.6pF | ±0.25pF | GQM2192C2A5R6CB01# | |
| | | | | ±0.5pF | GQM2192C2A5R6DB01# | |
| | | | 6.0pF | ±0.25pF | GQM2192C2A6R0CB01# | |
| | | | | ±0.5pF | GQM2192C2A6R0DB01# | |
| | | | 6.2pF | ±0.25pF | GQM2192C2A6R2CB01# | |
| | | | | ±0.5pF | GQM2192C2A6R2DB01# | |
| | | | 6.8pF | ±0.25pF | GQM2192C2A6R8CB01# | |
| | | | | ±0.5pF | GQM2192C2A6R8DB01# | |
| | | | 7.0pF | ±0.25pF | GQM2192C2A7R0CB01# | |
| | | | | ±0.5pF | GQM2192C2A7R0DB01# | |
| | | | 7.5pF | ±0.25pF | GQM2192C2A7R5CB01# | |
| | | | | ±0.5pF | GQM2192C2A7R5DB01# | |
| | | | 8.0pF | ±0.25pF | GQM2192C2A8R0CB01# | |
| | | | | ±0.5pF | GQM2192C2A8R0DB01# | |
| | | | 8.2pF | ±0.25pF | GQM2192C2A8R2CB01# | |
| | | | | ±0.5pF | GQM2192C2A8R2DB01# | |
| | | | 9.0pF | ±0.25pF | GQM2192C2A9R0CB01# | |
| | | | | ±0.5pF | GQM2192C2A9R0DB01# | |
| | | | 9.1pF | ±0.25pF | GQM2192C2A9R1CB01# | |
| | | | | ±0.5pF | GQM2192C2A9R1DB01# | |
| | | | 10pF | ±2% | GQM2192C2A100GB01# | |
| | | | | ±5% | GQM2192C2A100JB01# | |
| | | | 11pF | ±2% | GQM2192C2A110GB01# | |
| | | | | ±5% | GQM2192C2A110JB01# | |
| | | | 12pF | ±2% | GQM2192C2A120GB01# | |
| | | | | ±5% | GQM2192C2A120JB01# | |
| | | | 13pF | ±2% | GQM2192C2A130GB01# | |
| | | | | ±5% | GQM2192C2A130JB01# | |
| | | | 15pF | ±2% | GQM2192C2A150GB01# | |
| | | | | ±5% | GQM2192C2A150JB01# | |
| | | | 16pF | ±2% | GQM2192C2A160GB01# | |
| | | | | ±5% | GQM2192C2A160JB01# | |
| | | | 18pF | ±2% | GQM2192C2A180GB01# | |
| | | | | ±5% | GQM2192C2A180JB01# | |
| | 50Vdc | C0G | 20pF | ±2% | GQM2195C1H200GB01# | |
| | | | | ±5% | GQM2195C1H200JB01# | |
| | | | 22pF | ±2% | GQM2195C1H220GB01# | |
| | | | | ±5% | GQM2195C1H220JB01# | |
| | | | 24pF | ±2% | GQM2195C1H240GB01# | |
| | | | | ±5% | GQM2195C1H240JB01# | |
| | | | 27pF | ±2% | GQM2195C1H270GB01# | |
| | | | | ±5% | GQM2195C1H270JB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.95mm | 50Vdc | C0G | 30pF | ±2% | GQM2195C1H300GB01# | |
| | | | | ±5% | GQM2195C1H300JB01# | |
| | | | 33pF | ±2% | GQM2195C1H330GB01# | |
| | | | | ±5% | GQM2195C1H330JB01# | |
| | | | 36pF | ±2% | GQM2195C1H360GB01# | |
| | | | | ±5% | GQM2195C1H360JB01# | |
| | | | 39pF | ±2% | GQM2195C1H390GB01# | |
| | | | | ±5% | GQM2195C1H390JB01# | |
| | | | 43pF | ±2% | GQM2195C1H430GB01# | |
| | | | | ±5% | GQM2195C1H430JB01# | |
| | | | 47pF | ±2% | GQM2195C1H470GB01# | |
| | | | | ±5% | GQM2195C1H470JB01# | |
| | | | 51pF | ±2% | GQM2195C1H510GB01# | |
| | | | | ±5% | GQM2195C1H510JB01# | |
| | | | 56pF | ±2% | GQM2195C1H560GB01# | |
| | | | | ±5% | GQM2195C1H560JB01# | |
| | | | 62pF | ±2% | GQM2195C1H620GB01# | |
| | | | | ±5% | GQM2195C1H620JB01# | |
| | | | 68pF | ±2% | GQM2195C1H680GB01# | |
| | | | | ±5% | GQM2195C1H680JB01# | |
| | | | 75pF | ±2% | GQM2195C1H750GB01# | |
| | | | | ±5% | GQM2195C1H750JB01# | |
| | | | 82pF | ±2% | GQM2195C1H820GB01# | |
| | | | | ±5% | GQM2195C1H820JB01# | |
| | | | 91pF | ±2% | GQM2195C1H910GB01# | |
| | | | | ±5% | GQM2195C1H910JB01# | |
| | | | 100pF | ±2% | GQM2195C1H101GB01# | |
| | | | | ±5% | GQM2195C1H101JB01# | |
| | | CH | 20pF | ±2% | GQM2192C1H200GB01# | |
| | | | | ±5% | GQM2192C1H200JB01# | |
| | | | 22pF | ±2% | GQM2192C1H220GB01# | |
| | | | | ±5% | GQM2192C1H220JB01# | |
| | | | 24pF | ±2% | GQM2192C1H240GB01# | |
| | | | | ±5% | GQM2192C1H240JB01# | |
| | | | 27pF | ±2% | GQM2192C1H270GB01# | |
| | | | | ±5% | GQM2192C1H270JB01# | |
| | | | 30pF | ±2% | GQM2192C1H300GB01# | |
| | | | | ±5% | GQM2192C1H300JB01# | |
| | | | 33pF | ±2% | GQM2192C1H330GB01# | |
| | | | | ±5% | GQM2192C1H330JB01# | |
| | | | 36pF | ±2% | GQM2192C1H360GB01# | |
| | | | | ±5% | GQM2192C1H360JB01# | |
| | | | 39pF | ±2% | GQM2192C1H390GB01# | |
| | | | | ±5% | GQM2192C1H390JB01# | |
| | | | 43pF | ±2% | GQM2192C1H430GB01# | |
| | | | | ±5% | GQM2192C1H430JB01# | |
| | | | 47pF | ±2% | GQM2192C1H470GB01# | |
| | | | | ±5% | GQM2192C1H470JB01# | |
| | | | 51pF | ±2% | GQM2192C1H510GB01# | |
| | | | | ±5% | GQM2192C1H510JB01# | |
| | | | 56pF | ±2% | GQM2192C1H560GB01# | |
| | | | | ±5% | GQM2192C1H560JB01# | |
| | | | 62pF | ±2% | GQM2192C1H620GB01# | |
| | | | | ±5% | GQM2192C1H620JB01# | |

Part number # indicates the package specification code.

# GQM Series Temperature Compensating Type High Q Part Number List

(→ 2.0×1.25mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.95mm | 50Vdc | CH | 68pF | ±2% | GQM2192C1H680GB01# | |
| | | | | ±5% | GQM2192C1H680JB01# | |
| | | | 75pF | ±2% | GQM2192C1H750GB01# | |
| | | | | ±5% | GQM2192C1H750JB01# | |
| | | | 82pF | ±2% | GQM2192C1H820GB01# | |
| | | | | ±5% | GQM2192C1H820JB01# | |
| | | | 91pF | ±2% | GQM2192C1H910GB01# | |
| | | | | ±5% | GQM2192C1H910JB01# | |
| | | | 100pF | ±2% | GQM2192C1H101GB01# | |
| | | | | ±5% | GQM2192C1H101JB01# | |
| 1.0mm | 500Vdc | X8G | 1.0pF | ±0.1pF | GQM2195G2H1R0BB12# | |
| | | | | ±0.25pF | GQM2195G2H1R0CB12# | |
| | | | 1.1pF | ±0.1pF | GQM2195G2H1R1BB12# | |
| | | | | ±0.25pF | GQM2195G2H1R1CB12# | |
| | | | 1.2pF | ±0.1pF | GQM2195G2H1R2BB12# | |
| | | | | ±0.25pF | GQM2195G2H1R2CB12# | |
| | | | 1.3pF | ±0.1pF | GQM2195G2H1R3BB12# | |
| | | | | ±0.25pF | GQM2195G2H1R3CB12# | |
| | | | 1.5pF | ±0.1pF | GQM2195G2H1R5BB12# | |
| | | | | ±0.25pF | GQM2195G2H1R5CB12# | |
| | | | 1.6pF | ±0.1pF | GQM2195G2H1R6BB12# | |
| | | | | ±0.25pF | GQM2195G2H1R6CB12# | |
| | | | 1.8pF | ±0.1pF | GQM2195G2H1R8BB12# | |
| | | | | ±0.25pF | GQM2195G2H1R8CB12# | |
| | | | 2.0pF | ±0.1pF | GQM2195G2H2R0BB12# | |
| | | | | ±0.25pF | GQM2195G2H2R0CB12# | |
| | | | 2.2pF | ±0.1pF | GQM2195G2H2R2BB12# | |
| | | | | ±0.25pF | GQM2195G2H2R2CB12# | |
| | | | 2.4pF | ±0.1pF | GQM2195G2H2R4BB12# | |
| | | | | ±0.25pF | GQM2195G2H2R4CB12# | |
| | | | 2.7pF | ±0.1pF | GQM2195G2H2R7BB12# | |
| | | | | ±0.25pF | GQM2195G2H2R7CB12# | |
| | | | 3.0pF | ±0.1pF | GQM2195G2H3R0BB12# | |
| | | | | ±0.25pF | GQM2195G2H3R0CB12# | |
| | | | 3.3pF | ±0.1pF | GQM2195G2H3R3BB12# | |
| | | | | ±0.25pF | GQM2195G2H3R3CB12# | |
| | | | 3.6pF | ±0.1pF | GQM2195G2H3R6BB12# | |
| | | | | ±0.25pF | GQM2195G2H3R6CB12# | |
| | | | 3.9pF | ±0.1pF | GQM2195G2H3R9BB12# | |
| | | | | ±0.25pF | GQM2195G2H3R9CB12# | |
| | | | 4.0pF | ±0.1pF | GQM2195G2H4R0BB12# | |
| | | | | ±0.25pF | GQM2195G2H4R0CB12# | |
| | | | 4.3pF | ±0.1pF | GQM2195G2H4R3BB12# | |
| | | | | ±0.25pF | GQM2195G2H4R3CB12# | |
| | | | 4.7pF | ±0.1pF | GQM2195G2H4R7BB12# | |
| | | | | ±0.25pF | GQM2195G2H4R7CB12# | |
| | | | 5.0pF | ±0.1pF | GQM2195G2H5R0BB12# | |
| | | | | ±0.25pF | GQM2195G2H5R0CB12# | |
| | | | 5.1pF | ±0.25pF | GQM2195G2H5R1CB12# | |
| | | | | ±0.5pF | GQM2195G2H5R1DB12# | |
| | | | 5.6pF | ±0.25pF | GQM2195G2H5R6CB12# | |
| | | | | ±0.5pF | GQM2195G2H5R6DB12# | |
| | | | 6.0pF | ±0.25pF | GQM2195G2H6R0CB12# | |
| | | | | ±0.5pF | GQM2195G2H6R0DB12# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.0mm | 500Vdc | X8G | 6.2pF | ±0.25pF | GQM2195G2H6R2CB12# | |
| | | | | ±0.5pF | GQM2195G2H6R2DB12# | |
| | | | 6.8pF | ±0.25pF | GQM2195G2H6R8CB12# | |
| | | | | ±0.5pF | GQM2195G2H6R8DB12# | |
| | | | 7.0pF | ±0.25pF | GQM2195G2H7R0CB12# | |
| | | | | ±0.5pF | GQM2195G2H7R0DB12# | |
| | | | 7.5pF | ±0.25pF | GQM2195G2H7R5CB12# | |
| | | | | ±0.5pF | GQM2195G2H7R5DB12# | |
| | | | 8.0pF | ±0.25pF | GQM2195G2H8R0CB12# | |
| | | | | ±0.5pF | GQM2195G2H8R0DB12# | |
| | | | 8.2pF | ±0.25pF | GQM2195G2H8R2CB12# | |
| | | | | ±0.5pF | GQM2195G2H8R2DB12# | |
| | | | 9.0pF | ±0.25pF | GQM2195G2H9R0CB12# | |
| | | | | ±0.5pF | GQM2195G2H9R0DB12# | |
| | | | 9.1pF | ±0.25pF | GQM2195G2H9R1CB12# | |
| | | | | ±0.5pF | GQM2195G2H9R1DB12# | |
| | | | 10pF | ±2% | GQM2195G2H100GB12# | |
| | | | | ±5% | GQM2195G2H100JB12# | |
| | | | 11pF | ±2% | GQM2195G2H110GB12# | |
| | | | | ±5% | GQM2195G2H110JB12# | |
| | | | 12pF | ±2% | GQM2195G2H120GB12# | |
| | | | | ±5% | GQM2195G2H120JB12# | |
| | | | 13pF | ±2% | GQM2195G2H130GB12# | |
| | | | | ±5% | GQM2195G2H130JB12# | |
| | | | 15pF | ±2% | GQM2195G2H150GB12# | |
| | | | | ±5% | GQM2195G2H150JB12# | |
| | | | 16pF | ±2% | GQM2195G2H160GB12# | |
| | | | | ±5% | GQM2195G2H160JB12# | |
| | | | 18pF | ±2% | GQM2195G2H180GB12# | |
| | | | | ±5% | GQM2195G2H180JB12# | |
| | | | 20pF | ±2% | GQM2195G2H200GB12# | |
| | | | | ±5% | GQM2195G2H200JB12# | |
| | | | 22pF | ±2% | GQM2195G2H220GB12# | |
| | | | | ±5% | GQM2195G2H220JB12# | |
| | 250Vdc | C0G | 1.0pF | ±0.1pF | GQM2195C2E1R0BB12# | |
| | | | | ±0.25pF | GQM2195C2E1R0CB12# | |
| | | | 1.1pF | ±0.1pF | GQM2195C2E1R1BB12# | |
| | | | | ±0.25pF | GQM2195C2E1R1CB12# | |
| | | | 1.2pF | ±0.1pF | GQM2195C2E1R2BB12# | |
| | | | | ±0.25pF | GQM2195C2E1R2CB12# | |
| | | | 1.3pF | ±0.1pF | GQM2195C2E1R3BB12# | |
| | | | | ±0.25pF | GQM2195C2E1R3CB12# | |
| | | | 1.5pF | ±0.1pF | GQM2195C2E1R5BB12# | |
| | | | | ±0.25pF | GQM2195C2E1R5CB12# | |
| | | | 1.6pF | ±0.1pF | GQM2195C2E1R6BB12# | |
| | | | | ±0.25pF | GQM2195C2E1R6CB12# | |
| | | | 1.8pF | ±0.1pF | GQM2195C2E1R8BB12# | |
| | | | | ±0.25pF | GQM2195C2E1R8CB12# | |
| | | | 2.0pF | ±0.1pF | GQM2195C2E2R0BB12# | |
| | | | | ±0.25pF | GQM2195C2E2R0CB12# | |
| | | | 2.2pF | ±0.1pF | GQM2195C2E2R2BB12# | |
| | | | | ±0.25pF | GQM2195C2E2R2CB12# | |
| | | | 2.4pF | ±0.1pF | GQM2195C2E2R4BB12# | |
| | | | | ±0.25pF | GQM2195C2E2R4CB12# | |

Part number # indicates the package specification code.

# GQM Series Temperature Compensating Type High Q Part Number List

(→ 2.0×1.25mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.0mm | 250Vdc | C0G | 2.7pF | ±0.1pF | GQM2195C2E2R7BB12# | |
| | | | | ±0.25pF | GQM2195C2E2R7CB12# | |
| | | | 3.0pF | ±0.1pF | GQM2195C2E3R0BB12# | |
| | | | | ±0.25pF | GQM2195C2E3R0CB12# | |
| | | | 3.3pF | ±0.1pF | GQM2195C2E3R3BB12# | |
| | | | | ±0.25pF | GQM2195C2E3R3CB12# | |
| | | | 3.6pF | ±0.1pF | GQM2195C2E3R6BB12# | |
| | | | | ±0.25pF | GQM2195C2E3R6CB12# | |
| | | | 3.9pF | ±0.1pF | GQM2195C2E3R9BB12# | |
| | | | | ±0.25pF | GQM2195C2E3R9CB12# | |
| | | | 4.0pF | ±0.1pF | GQM2195C2E4R0BB12# | |
| | | | | ±0.25pF | GQM2195C2E4R0CB12# | |
| | | | 4.3pF | ±0.1pF | GQM2195C2E4R3BB12# | |
| | | | | ±0.25pF | GQM2195C2E4R3CB12# | |
| | | | 4.7pF | ±0.1pF | GQM2195C2E4R7BB12# | |
| | | | | ±0.25pF | GQM2195C2E4R7CB12# | |
| | | | 5.0pF | ±0.1pF | GQM2195C2E5R0BB12# | |
| | | | | ±0.25pF | GQM2195C2E5R0CB12# | |
| | | | 5.1pF | ±0.25pF | GQM2195C2E5R1CB12# | |
| | | | | ±0.5pF | GQM2195C2E5R1DB12# | |
| | | | 5.6pF | ±0.25pF | GQM2195C2E5R6CB12# | |
| | | | | ±0.5pF | GQM2195C2E5R6DB12# | |
| | | | 6.0pF | ±0.25pF | GQM2195C2E6R0CB12# | |
| | | | | ±0.5pF | GQM2195C2E6R0DB12# | |
| | | | 6.2pF | ±0.25pF | GQM2195C2E6R2CB12# | |
| | | | | ±0.5pF | GQM2195C2E6R2DB12# | |
| | | | 6.8pF | ±0.25pF | GQM2195C2E6R8CB12# | |
| | | | | ±0.5pF | GQM2195C2E6R8DB12# | |
| | | | 7.0pF | ±0.25pF | GQM2195C2E7R0CB12# | |
| | | | | ±0.5pF | GQM2195C2E7R0DB12# | |
| | | | 7.5pF | ±0.25pF | GQM2195C2E7R5CB12# | |
| | | | | ±0.5pF | GQM2195C2E7R5DB12# | |
| | | | 8.0pF | ±0.25pF | GQM2195C2E8R0CB12# | |
| | | | | ±0.5pF | GQM2195C2E8R0DB12# | |
| | | | 8.2pF | ±0.25pF | GQM2195C2E8R2CB12# | |
| | | | | ±0.5pF | GQM2195C2E8R2DB12# | |
| | | | 9.0pF | ±0.25pF | GQM2195C2E9R0CB12# | |
| | | | | ±0.5pF | GQM2195C2E9R0DB12# | |
| | | | 9.1pF | ±0.25pF | GQM2195C2E9R1CB12# | |
| | | | | ±0.5pF | GQM2195C2E9R1DB12# | |
| | | | 10pF | ±2% | GQM2195C2E100GB12# | |
| | | | | ±5% | GQM2195C2E100JB12# | |
| | | | 11pF | ±2% | GQM2195C2E110GB12# | |
| | | | | ±5% | GQM2195C2E110JB12# | |
| | | | 12pF | ±2% | GQM2195C2E120GB12# | |
| | | | | ±5% | GQM2195C2E120JB12# | |
| | | | 13pF | ±2% | GQM2195C2E130GB12# | |
| | | | | ±5% | GQM2195C2E130JB12# | |
| | | | 15pF | ±2% | GQM2195C2E150GB12# | |
| | | | | ±5% | GQM2195C2E150JB12# | |
| | | | 16pF | ±2% | GQM2195C2E160GB12# | |
| | | | | ±5% | GQM2195C2E160JB12# | |
| | | | 18pF | ±2% | GQM2195C2E180GB12# | |
| | | | | ±5% | GQM2195C2E180JB12# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.0mm | 250Vdc | C0G | 20pF | ±2% | GQM2195C2E200GB12# | |
| | | | | ±5% | GQM2195C2E200JB12# | |
| | | | 22pF | ±2% | GQM2195C2E220GB12# | |
| | | | | ±5% | GQM2195C2E220JB12# | |
| | | | 24pF | ±2% | GQM2195C2E240GB12# | |
| | | | | ±5% | GQM2195C2E240JB12# | |
| | | | 27pF | ±2% | GQM2195C2E270GB12# | |
| | | | | ±5% | GQM2195C2E270JB12# | |
| | | | 30pF | ±2% | GQM2195C2E300GB12# | |
| | | | | ±5% | GQM2195C2E300JB12# | |
| | | | 33pF | ±2% | GQM2195C2E330GB12# | |
| | | | | ±5% | GQM2195C2E330JB12# | |
| | | | 36pF | ±2% | GQM2195C2E360GB12# | |
| | | | | ±5% | GQM2195C2E360JB12# | |
| | | | 39pF | ±2% | GQM2195C2E390GB12# | |
| | | | | ±5% | GQM2195C2E390JB12# | |
| | | | 43pF | ±2% | GQM2195C2E430GB12# | |
| | | | | ±5% | GQM2195C2E430JB12# | |
| | | | 47pF | ±2% | GQM2195C2E470GB12# | |
| | | | | ±5% | GQM2195C2E470JB12# | |
| | | | 51pF | ±2% | GQM2195C2E510GB12# | |
| | | | | ±5% | GQM2195C2E510JB12# | |
| | | | 56pF | ±2% | GQM2195C2E560GB12# | |
| | | | | ±5% | GQM2195C2E560JB12# | |
| | | | 62pF | ±2% | GQM2195C2E620GB12# | |
| | | | | ±5% | GQM2195C2E620JB12# | |
| | | | 68pF | ±2% | GQM2195C2E680GB12# | |
| | | | | ±5% | GQM2195C2E680JB12# | |
| | | | 75pF | ±2% | GQM2195C2E750GB12# | |
| | | | | ±5% | GQM2195C2E750JB12# | |
| | | | 82pF | ±2% | GQM2195C2E820GB12# | |
| | | | | ±5% | GQM2195C2E820JB12# | |
| | | | 91pF | ±2% | GQM2195C2E910GB12# | |
| | | | | ±5% | GQM2195C2E910JB12# | |
| | | | 100pF | ±2% | GQM2195C2E101GB12# | |
| | | | | ±5% | GQM2195C2E101JB12# | |
| | | X8G | 1.0pF | ±0.1pF | GQM2195G2E1R0BB12# | |
| | | | | ±0.25pF | GQM2195G2E1R0CB12# | |
| | | | 1.1pF | ±0.1pF | GQM2195G2E1R1BB12# | |
| | | | | ±0.25pF | GQM2195G2E1R1CB12# | |
| | | | 1.2pF | ±0.1pF | GQM2195G2E1R2BB12# | |
| | | | | ±0.25pF | GQM2195G2E1R2CB12# | |
| | | | 1.3pF | ±0.1pF | GQM2195G2E1R3BB12# | |
| | | | | ±0.25pF | GQM2195G2E1R3CB12# | |
| | | | 1.5pF | ±0.1pF | GQM2195G2E1R5BB12# | |
| | | | | ±0.25pF | GQM2195G2E1R5CB12# | |
| | | | 1.6pF | ±0.1pF | GQM2195G2E1R6BB12# | |
| | | | | ±0.25pF | GQM2195G2E1R6CB12# | |
| | | | 1.8pF | ±0.1pF | GQM2195G2E1R8BB12# | |
| | | | | ±0.25pF | GQM2195G2E1R8CB12# | |
| | | | 2.0pF | ±0.1pF | GQM2195G2E2R0BB12# | |
| | | | | ±0.25pF | GQM2195G2E2R0CB12# | |
| | | | 2.2pF | ±0.1pF | GQM2195G2E2R2BB12# | |
| | | | | ±0.25pF | GQM2195G2E2R2CB12# | |

Part number # indicates the package specification code.

# GQM Series Temperature Compensating Type High Q Part Number List

## (→ 2.0×1.25mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.0mm | 250Vdc | X8G | 2.4pF | ±0.1pF | GQM2195G2E2R4BB12# | |
| | | | | ±0.25pF | GQM2195G2E2R4CB12# | |
| | | | 2.7pF | ±0.1pF | GQM2195G2E2R7BB12# | |
| | | | | ±0.25pF | GQM2195G2E2R7CB12# | |
| | | | 3.0pF | ±0.1pF | GQM2195G2E3R0BB12# | |
| | | | | ±0.25pF | GQM2195G2E3R0CB12# | |
| | | | 3.3pF | ±0.1pF | GQM2195G2E3R3BB12# | |
| | | | | ±0.25pF | GQM2195G2E3R3CB12# | |
| | | | 3.6pF | ±0.1pF | GQM2195G2E3R6BB12# | |
| | | | | ±0.25pF | GQM2195G2E3R6CB12# | |
| | | | 3.9pF | ±0.1pF | GQM2195G2E3R9BB12# | |
| | | | | ±0.25pF | GQM2195G2E3R9CB12# | |
| | | | 4.0pF | ±0.1pF | GQM2195G2E4R0BB12# | |
| | | | | ±0.25pF | GQM2195G2E4R0CB12# | |
| | | | 4.3pF | ±0.1pF | GQM2195G2E4R3BB12# | |
| | | | | ±0.25pF | GQM2195G2E4R3CB12# | |
| | | | 4.7pF | ±0.1pF | GQM2195G2E4R7BB12# | |
| | | | | ±0.25pF | GQM2195G2E4R7CB12# | |
| | | | 5.0pF | ±0.1pF | GQM2195G2E5R0BB12# | |
| | | | | ±0.25pF | GQM2195G2E5R0CB12# | |
| | | | 5.1pF | ±0.25pF | GQM2195G2E5R1CB12# | |
| | | | | ±0.5pF | GQM2195G2E5R1DB12# | |
| | | | 5.6pF | ±0.25pF | GQM2195G2E5R6CB12# | |
| | | | | ±0.5pF | GQM2195G2E5R6DB12# | |
| | | | 6.0pF | ±0.25pF | GQM2195G2E6R0CB12# | |
| | | | | ±0.5pF | GQM2195G2E6R0DB12# | |
| | | | 6.2pF | ±0.25pF | GQM2195G2E6R2CB12# | |
| | | | | ±0.5pF | GQM2195G2E6R2DB12# | |
| | | | 6.8pF | ±0.25pF | GQM2195G2E6R8CB12# | |
| | | | | ±0.5pF | GQM2195G2E6R8DB12# | |
| | | | 7.0pF | ±0.25pF | GQM2195G2E7R0CB12# | |
| | | | | ±0.5pF | GQM2195G2E7R0DB12# | |
| | | | 7.5pF | ±0.25pF | GQM2195G2E7R5CB12# | |
| | | | | ±0.5pF | GQM2195G2E7R5DB12# | |
| | | | 8.0pF | ±0.25pF | GQM2195G2E8R0CB12# | |
| | | | | ±0.5pF | GQM2195G2E8R0DB12# | |
| | | | 8.2pF | ±0.25pF | GQM2195G2E8R2CB12# | |
| | | | | ±0.5pF | GQM2195G2E8R2DB12# | |
| | | | 9.0pF | ±0.25pF | GQM2195G2E9R0CB12# | |
| | | | | ±0.5pF | GQM2195G2E9R0DB12# | |
| | | | 9.1pF | ±0.25pF | GQM2195G2E9R1CB12# | |
| | | | | ±0.5pF | GQM2195G2E9R1DB12# | |
| | | | 10pF | ±2% | GQM2195G2E100GB12# | |
| | | | | ±5% | GQM2195G2E100JB12# | |
| | | | 11pF | ±2% | GQM2195G2E110GB12# | |
| | | | | ±5% | GQM2195G2E110JB12# | |
| | | | 12pF | ±2% | GQM2195G2E120GB12# | |
| | | | | ±5% | GQM2195G2E120JB12# | |
| | | | 13pF | ±2% | GQM2195G2E130GB12# | |
| | | | | ±5% | GQM2195G2E130JB12# | |
| | | | 15pF | ±2% | GQM2195G2E150GB12# | |
| | | | | ±5% | GQM2195G2E150JB12# | |
| | | | 16pF | ±2% | GQM2195G2E160GB12# | |
| | | | | ±5% | GQM2195G2E160JB12# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.0mm | 250Vdc | X8G | 18pF | ±2% | GQM2195G2E180GB12# | |
| | | | | ±5% | GQM2195G2E180JB12# | |
| | | | 20pF | ±2% | GQM2195G2E200GB12# | |
| | | | | ±5% | GQM2195G2E200JB12# | |
| | | | 22pF | ±2% | GQM2195G2E220GB12# | |
| | | | | ±5% | GQM2195G2E220JB12# | |

## 2.8×2.8mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.35mm | 500Vdc | C0G | 1.0pF | ±0.1pF | GQM22M5C2H1R0BB01# | |
| | | | | ±0.25pF | GQM22M5C2H1R0CB01# | |
| | | | 1.1pF | ±0.1pF | GQM22M5C2H1R1BB01# | |
| | | | | ±0.25pF | GQM22M5C2H1R1CB01# | |
| | | | 1.2pF | ±0.1pF | GQM22M5C2H1R2BB01# | |
| | | | | ±0.25pF | GQM22M5C2H1R2CB01# | |
| | | | 1.3pF | ±0.1pF | GQM22M5C2H1R3BB01# | |
| | | | | ±0.25pF | GQM22M5C2H1R3CB01# | |
| | | | 1.5pF | ±0.1pF | GQM22M5C2H1R5BB01# | |
| | | | | ±0.25pF | GQM22M5C2H1R5CB01# | |
| | | | 1.6pF | ±0.1pF | GQM22M5C2H1R6BB01# | |
| | | | | ±0.25pF | GQM22M5C2H1R6CB01# | |
| | | | 1.8pF | ±0.1pF | GQM22M5C2H1R8BB01# | |
| | | | | ±0.25pF | GQM22M5C2H1R8CB01# | |
| | | | 2.0pF | ±0.1pF | GQM22M5C2H2R0BB01# | |
| | | | | ±0.25pF | GQM22M5C2H2R0CB01# | |
| | | | 2.2pF | ±0.1pF | GQM22M5C2H2R2BB01# | |
| | | | | ±0.25pF | GQM22M5C2H2R2CB01# | |
| | | | 2.4pF | ±0.1pF | GQM22M5C2H2R4BB01# | |
| | | | | ±0.25pF | GQM22M5C2H2R4CB01# | |
| | | | 2.7pF | ±0.1pF | GQM22M5C2H2R7BB01# | |
| | | | | ±0.25pF | GQM22M5C2H2R7CB01# | |
| | | | 3.0pF | ±0.1pF | GQM22M5C2H3R0BB01# | |
| | | | | ±0.25pF | GQM22M5C2H3R0CB01# | |
| | | | 3.3pF | ±0.1pF | GQM22M5C2H3R3BB01# | |
| | | | | ±0.25pF | GQM22M5C2H3R3CB01# | |
| | | | 3.6pF | ±0.1pF | GQM22M5C2H3R6BB01# | |
| | | | | ±0.25pF | GQM22M5C2H3R6CB01# | |
| | | | 3.9pF | ±0.1pF | GQM22M5C2H3R9BB01# | |
| | | | | ±0.25pF | GQM22M5C2H3R9CB01# | |
| | | | 4.0pF | ±0.1pF | GQM22M5C2H4R0BB01# | |
| | | | | ±0.25pF | GQM22M5C2H4R0CB01# | |
| | | | 4.3pF | ±0.1pF | GQM22M5C2H4R3BB01# | |
| | | | | ±0.25pF | GQM22M5C2H4R3CB01# | |
| | | | 4.7pF | ±0.1pF | GQM22M5C2H4R7BB01# | |
| | | | | ±0.25pF | GQM22M5C2H4R7CB01# | |
| | | | 5.0pF | ±0.1pF | GQM22M5C2H5R0BB01# | |
| | | | | ±0.25pF | GQM22M5C2H5R0CB01# | |
| | | | 5.1pF | ±0.25pF | GQM22M5C2H5R1CB01# | |
| | | | | ±0.5pF | GQM22M5C2H5R1DB01# | |
| | | | 5.6pF | ±0.25pF | GQM22M5C2H5R6CB01# | |
| | | | | ±0.5pF | GQM22M5C2H5R6DB01# | |
| | | | 6.0pF | ±0.25pF | GQM22M5C2H6R0CB01# | |

Part number # indicates the package specification code.

# GQM Series Temperature Compensating Type High Q Part Number List

(→ 2.8×2.8mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.35mm | 500Vdc | C0G | 6.0pF | ±0.5pF | GQM22M5C2H6R0DB01# | |
| | | | 6.2pF | ±0.25pF | GQM22M5C2H6R2CB01# | |
| | | | | ±0.5pF | GQM22M5C2H6R2DB01# | |
| | | | 6.8pF | ±0.25pF | GQM22M5C2H6R8CB01# | |
| | | | | ±0.5pF | GQM22M5C2H6R8DB01# | |
| | | | 7.0pF | ±0.25pF | GQM22M5C2H7R0CB01# | |
| | | | | ±0.5pF | GQM22M5C2H7R0DB01# | |
| | | | 7.5pF | ±0.25pF | GQM22M5C2H7R5CB01# | |
| | | | | ±0.5pF | GQM22M5C2H7R5DB01# | |
| | | | 8.0pF | ±0.25pF | GQM22M5C2H8R0CB01# | |
| | | | | ±0.5pF | GQM22M5C2H8R0DB01# | |
| | | | 8.2pF | ±0.25pF | GQM22M5C2H8R2CB01# | |
| | | | | ±0.5pF | GQM22M5C2H8R2DB01# | |
| | | | 9.0pF | ±0.25pF | GQM22M5C2H9R0CB01# | |
| | | | | ±0.5pF | GQM22M5C2H9R0DB01# | |
| | | | 9.1pF | ±0.25pF | GQM22M5C2H9R1CB01# | |
| | | | | ±0.5pF | GQM22M5C2H9R1DB01# | |
| | | | 10pF | ±2% | GQM22M5C2H100GB01# | |
| | | | | ±5% | GQM22M5C2H100JB01# | |
| | | | 11pF | ±2% | GQM22M5C2H110GB01# | |
| | | | | ±5% | GQM22M5C2H110JB01# | |
| | | | 12pF | ±2% | GQM22M5C2H120GB01# | |
| | | | | ±5% | GQM22M5C2H120JB01# | |
| | | | 13pF | ±2% | GQM22M5C2H130GB01# | |
| | | | | ±5% | GQM22M5C2H130JB01# | |
| | | | 15pF | ±2% | GQM22M5C2H150GB01# | |
| | | | | ±5% | GQM22M5C2H150JB01# | |
| | | | 16pF | ±2% | GQM22M5C2H160GB01# | |
| | | | | ±5% | GQM22M5C2H160JB01# | |
| | | | 18pF | ±2% | GQM22M5C2H180GB01# | |
| | | | | ±5% | GQM22M5C2H180JB01# | |
| | | | 20pF | ±2% | GQM22M5C2H200GB01# | |
| | | | | ±5% | GQM22M5C2H200JB01# | |
| | | | 22pF | ±2% | GQM22M5C2H220GB01# | |
| | | | | ±5% | GQM22M5C2H220JB01# | |
| | | | 24pF | ±2% | GQM22M5C2H240GB01# | |
| | | | | ±5% | GQM22M5C2H240JB01# | |
| | | | 27pF | ±2% | GQM22M5C2H270GB01# | |
| | | | | ±5% | GQM22M5C2H270JB01# | |
| | | | 30pF | ±2% | GQM22M5C2H300GB01# | |
| | | | | ±5% | GQM22M5C2H300JB01# | |
| | | | 33pF | ±2% | GQM22M5C2H330GB01# | |
| | | | | ±5% | GQM22M5C2H330JB01# | |
| | | | 36pF | ±2% | GQM22M5C2H360GB01# | |
| | | | | ±5% | GQM22M5C2H360JB01# | |
| | | | 39pF | ±2% | GQM22M5C2H390GB01# | |
| | | | | ±5% | GQM22M5C2H390JB01# | |
| | | | 43pF | ±2% | GQM22M5C2H430GB01# | |
| | | | | ±5% | GQM22M5C2H430JB01# | |
| | | | 47pF | ±2% | GQM22M5C2H470GB01# | |
| | | | | ±5% | GQM22M5C2H470JB01# | |
| | | | 51pF | ±2% | GQM22M5C2H510GB01# | |
| | | | | ±5% | GQM22M5C2H510JB01# | |
| | | | 56pF | ±2% | GQM22M5C2H560GB01# | |

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.35mm | 500Vdc | C0G | 56pF | ±5% | GQM22M5C2H560JB01# | |
| | | | 62pF | ±2% | GQM22M5C2H620GB01# | |
| | | | | ±5% | GQM22M5C2H620JB01# | |
| | | | 68pF | ±2% | GQM22M5C2H680GB01# | |
| | | | | ±5% | GQM22M5C2H680JB01# | |
| | | | 75pF | ±2% | GQM22M5C2H750GB01# | |
| | | | | ±5% | GQM22M5C2H750JB01# | |
| | | | 82pF | ±2% | GQM22M5C2H820GB01# | |
| | | | | ±5% | GQM22M5C2H820JB01# | |
| | | | 91pF | ±2% | GQM22M5C2H910GB01# | |
| | | | | ±5% | GQM22M5C2H910JB01# | |
| | | | 100pF | ±2% | GQM22M5C2H101GB01# | |
| | | | | ±5% | GQM22M5C2H101JB01# | |

Part number # indicates the package specification code.

High Effective Capacitance & High Allowable Ripple Current Monolithic Ceramic Capacitor

# GR3 Series

Anti-noise

WEB

## This is a general purpose high ripple resistance product excellent in DC bias characteristics.

## Features

### ① When a DC bias is applied, a capacitance higher than conventional products (X7R characteristics) can be acquired.

About twice the capacitance can be secured when DC200V is applied.

<Comparison between Capacitance - DC Bias Characteristics>

### ② Improved ripple resistance performance compared to conventional products (X7R characteristics).

In the case of a product with a capacitance of 1μF, when the exothermic temperature reaches 20ºC at frequency f=300kHz, the amount of resistance of a product with conventional material is 2.9Arms; however, the new material is 4.7Arms.

<Comparison of Ripple Heat Generation Characteristics>

### ③ This product has a noise reduction effect.

Since dielectric materials which enable a reduction of noise are used, this product is more effective for reducing noise compared to the general purpose GRM series.

## Specifications

| | |
|---|---|
| Size (mm) | 2.0×1.25mm to 5.7×5.0mm |
| Rated Voltage | 250Vdc to 630Vdc |
| Capacitance | 10000pF to 1.0μF |
| Main Applications | For PFC (Power Factor Correction) Circuits of Power Supplies, EMI Suppression and Smoothing Circuits |

<Dimensions>

This catalog contains only a portion of the product lineup.
Please refer to the capacitor search tool on the Murata Web site for details.

# GR3 Series High Dielectric Constant Type Anti-noise Part Number List

## 2.0×1.25mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.0mm | 250Vdc | X7T | 10000pF | ±10% | **GR321AD72E103KW01#** | |
| | | | 15000pF | ±10% | **GR321AD72E153KW01#** | |
| 1.45mm | 250Vdc | X7T | 22000pF | ±10% | **GR321BD72E223KW03#** | |

## 3.2×1.6mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.0mm | 450Vdc | X7T | 10000pF | ±10% | **GR331AD72W103KW01#** | |
| | | | 15000pF | ±10% | **GR331AD72W153KW01#** | |
| | 250Vdc | X7T | 33000pF | ±10% | **GR331AD72E333KW01#** | |
| 1.25mm | 630Vdc | X7T | 10000pF | ±10% | **GR331BD72J103KW01#** | |
| | 450Vdc | X7T | 22000pF | ±10% | **GR331BD72W223KW01#** | |
| | | | 33000pF | ±10% | **GR331BD72W333KW01#** | |
| | 250Vdc | X7T | 47000pF | ±10% | **GR331BD72E473KW01#** | |
| 1.8mm | 630Vdc | X7T | 15000pF | ±10% | **GR331CD72J153KW03#** | |
| | 450Vdc | X7T | 47000pF | ±10% | **GR331CD72W473KW03#** | |
| | 250Vdc | X7T | 68000pF | ±10% | **GR331CD72E683KW03#** | |

## 3.2×2.5mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.5mm | 630Vdc | X7T | 22000pF | ±10% | **GR332QD72J223KW01#** | |
| | 250Vdc | X7T | 0.10μF | ±10% | **GR332QD72E104KW01#** | |
| 2.0mm | 630Vdc | X7T | 33000pF | ±10% | **GR332DD72J333KW01#** | |
| | | | 47000pF | ±10% | **GR332DD72J473KW01#** | |
| | 450Vdc | X7T | 68000pF | ±10% | **GR332DD72W683KW01#** | |
| | | | 0.10μF | ±10% | **GR332DD72W104KW01#** | |
| | 250Vdc | X7T | 0.15μF | ±10% | **GR332DD72E154KW01#** | |

## 4.5×3.2mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.5mm | 250Vdc | X7T | 0.22μF | ±10% | **GR343QD72E224KW01#** | |
| 2.0mm | 630Vdc | X7T | 68000pF | ±10% | **GR343DD72J683KW01#** | |
| | 450Vdc | X7T | 0.15μF | ±10% | **GR343DD72W154KW01#** | |
| | 250Vdc | X7T | 0.33μF | ±10% | **GR343DD72E334KW01#** | |

## 5.7×5.0mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 2.0mm | 630Vdc | X7T | 0.10μF | ±10% | **GR355DD72J104KW01#** | |
| | | | 0.15μF | ±10% | **GR355DD72J154KW01#** | |
| | 450Vdc | X7T | 0.22μF | ±10% | **GR355DD72W224KW01#** | |
| | | | 0.33μF | ±10% | **GR355DD72W334KW01#** | |
| | | | 0.47μF | ±10% | **GR355DD72W474KW01#** | |
| | 250Vdc | X7T | 0.47μF | ±10% | **GR355DD72E474KW01#** | |
| | | | 0.68μF | ±10% | **GR355DD72E684KW01#** | |
| 2.7mm | 630Vdc | X7T | 0.22μF | ±10% | **GR355XD72J224KW05#** | |
| 2.7mm | 250Vdc | X7T | 1.0μF | ±10% | **GR355XD72E105KW05#** | |

Part number # indicates the package specification code.

Soft termination Monolithic Ceramic Capacitors

# GRJ Series

Deflecting crack

WEB

## The resin external electrodes prevent the occurrence of cracking caused by deflection stress after board mounting!

## Features

### 1 The resin external electrodes suppress cracks by board deflection.

Cracking of the ceramic element is suppressed by the resin of the external electrodes, which releases the stress.

Resin electrodes relieve the stress

<Example of Structure>

**General Purpose Product (GRM Series)**

Occurrence of cracking on edge of terminal electrode

**Resin External Electrode Type (GRJ Series)**

**Conductive resin layer relieves the mechanical stress of the ceramic**

Separated foundation electrode and resin electrode

### 2 Suppresses the occurrence of cracking caused by deflection stress at the time of board mounting, etc.

Due to the specification of the measuring instrument, measurements can be performed up to 8mm.

### 3 Ideal for consumer and industrial electronic equipment, etc. where there heat stress, vibration and impact are applied.

## Specifications

| | |
|---|---|
| Size (mm) | 0.6×0.3mm to 5.7×5.0mm |
| Rated Voltage | 6.3Vdc to 1000Vdc |
| Capacitance | 220pF to 47μF |
| Main Applications | Consumer & Industrial Electronic Equipment |

<Dimensions>

This catalog contains only a portion of the product lineup.
Please refer to the capacitor search tool on the Murata Web site for details.

# GRJ Series High Dielectric Constant Type Deflecting crack Part Number List

## 1.6×0.8mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | X7R | 1000pF | ±10% | GRJ188R72A102KE11# | |
| | | | | ±20% | GRJ188R72A102ME11# | |
| | | | 2200pF | ±10% | GRJ188R72A222KE11# | |
| | | | | ±20% | GRJ188R72A222ME11# | |
| | | | 4700pF | ±10% | GRJ188R72A472KE11# | |
| | | | | ±20% | GRJ188R72A472ME11# | |
| | | | 10000pF | ±10% | GRJ188R72A103KE11# | |
| | | | | ±20% | GRJ188R72A103ME11# | |
| | | | 22000pF | ±10% | GRJ188R72A223KE11# | |
| | | | | ±20% | GRJ188R72A223ME11# | |
| | | | 0.10μF | ±10% | GRJ188R72A104KE11# | |
| | | | | ±20% | GRJ188R72A104ME11# | |
| | 50Vdc | X7R | 1000pF | ±10% | GRJ188R71H102KE11# | |
| | | | | ±20% | GRJ188R71H102ME11# | |
| | | | 2200pF | ±10% | GRJ188R71H222KE11# | |
| | | | | ±20% | GRJ188R71H222ME11# | |
| | | | 4700pF | ±10% | GRJ188R71H472KE11# | |
| | | | | ±20% | GRJ188R71H472ME11# | |
| | | | 10000pF | ±10% | GRJ188R71H103KE11# | |
| | | | | ±20% | GRJ188R71H103ME11# | |
| | | | 22000pF | ±10% | GRJ188R71H223KE11# | |
| | | | | ±20% | GRJ188R71H223ME11# | |
| | | | 47000pF | ±10% | GRJ188R71H473KE11# | |
| | | | | ±20% | GRJ188R71H473ME11# | |
| | | | 0.10μF | ±10% | GRJ188R71H104KE11# | |
| | | | | ±20% | GRJ188R71H104ME11# | |
| | | | 0.22μF | ±10% | GRJ188R71H224KE11# | |
| | | | | ±20% | GRJ188R71H224ME11# | |
| | 35Vdc | X5R | 1.0μF | ±10% | GRJ188R6YA105KE11# | |
| | 25Vdc | X7R | 47000pF | ±10% | GRJ188R71E473KE11# | |
| | | | | ±20% | GRJ188R71E473ME11# | |
| | | | 0.22μF | ±10% | GRJ188R71E224KE11# | |
| | | | | ±20% | GRJ188R71E224ME11# | |
| | | | 1.0μF | ±10% | GRJ188R71E105KE11# | |
| | | | | ±20% | GRJ188R71E105ME11# | |
| | 16Vdc | X7R | 0.47μF | ±10% | GRJ188R71C474KE11# | |
| | | | | ±20% | GRJ188R71C474ME11# | |
| | 6.3Vdc | X7R | 2.2μF | ±10% | GRJ188R70J225KE11# | |
| | | | | ±20% | GRJ188R70J225ME11# | |
| 1.0mm | 6.3Vdc | X7S | 4.7μF | ±10% | GRJ188C70J475KE11# | |
| | | | | ±20% | GRJ188C70J475ME11# | |

## 2.0×1.25mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.7mm | 100Vdc | X7R | 1000pF | ±10% | GRJ216R72A102KE01# | |
| | | | | ±20% | GRJ216R72A102ME01# | |
| | | | 2200pF | ±10% | GRJ216R72A222KE01# | |
| | | | | ±20% | GRJ216R72A222ME01# | |
| | | | 4700pF | ±10% | GRJ216R72A472KE01# | |
| | | | | ±20% | GRJ216R72A472ME01# | |
| 0.7mm | 100Vdc | X7R | 10000pF | ±10% | GRJ216R72A103KE01# | |
| | | | | ±20% | GRJ216R72A103ME01# | |
| | | | 22000pF | ±10% | GRJ216R72A223KE01# | |
| | | | | ±20% | GRJ216R72A223ME01# | |
| | 50Vdc | X7R | 470pF | ±10% | GRJ216R71H471KE01# | |
| | | | | ±20% | GRJ216R71H471ME01# | |
| | | | 1000pF | ±10% | GRJ216R71H102KE01# | |
| | | | | ±20% | GRJ216R71H102ME01# | |
| | | | 2200pF | ±10% | GRJ216R71H222KE01# | |
| | | | | ±20% | GRJ216R71H222ME01# | |
| | | | 4700pF | ±10% | GRJ216R71H472KE01# | |
| | | | | ±20% | GRJ216R71H472ME01# | |
| | | | 10000pF | ±10% | GRJ216R71H103KE01# | |
| | | | | ±20% | GRJ216R71H103ME01# | |
| | | | 22000pF | ±10% | GRJ216R71H223KE01# | |
| | | | | ±20% | GRJ216R71H223ME01# | |
| 0.95mm | 100Vdc | X7R | 220pF | ±10% | GRJ219R72A221KE01# | |
| | | | | ±20% | GRJ219R72A221ME01# | |
| | | | 470pF | ±10% | GRJ219R72A471KE01# | |
| | | | | ±20% | GRJ219R72A471ME01# | |
| 1.0mm | 250Vdc | X7R | 1000pF | ±10% | GRJ21AR72E102KWJ1# | |
| | | | 1500pF | ±10% | GRJ21AR72E152KWJ1# | |
| | | | 2200pF | ±10% | GRJ21AR72E222KWJ1# | |
| | | | 3300pF | ±10% | GRJ21AR72E332KWJ1# | |
| | | | 4700pF | ±10% | GRJ21AR72E472KWJ1# | |
| | | | 6800pF | ±10% | GRJ21AR72E682KWJ1# | |
| 1.45mm | 250Vdc | X7R | 10000pF | ±10% | GRJ21BR72E103KWJ3# | |
| | | | 15000pF | ±10% | GRJ21BR72E153KWJ3# | |
| | | | 22000pF | ±10% | GRJ21BR72E223KWJ3# | |
| | 100Vdc | X7R | 47000pF | ±10% | GRJ21BR72A473KE01# | |
| | | | | ±20% | GRJ21BR72A473ME01# | |
| | | | 0.10μF | ±10% | GRJ21BR72A104KE01# | |
| | | | | ±20% | GRJ21BR72A104ME01# | |
| | 50Vdc | X7R | 47000pF | ±10% | GRJ21BR71H473KE01# | |
| | | | | ±20% | GRJ21BR71H473ME01# | |
| | | | 0.10μF | ±10% | GRJ21BR71H104KE01# | |
| | | | | ±20% | GRJ21BR71H104ME01# | |
| | | | 0.22μF | ±10% | GRJ21BR71H224KE01# | |
| | | | | ±20% | GRJ21BR71H224ME01# | |
| | | | 0.47μF | ±10% | GRJ21BR71H474KE01# | |
| | | | | ±20% | GRJ21BR71H474ME01# | |
| | | | 1.0μF | ±10% | GRJ21BR71H105KE01# | |
| | | | | ±20% | GRJ21BR71H105ME01# | |
| | 25Vdc | X7R | 1.0μF | ±10% | GRJ21BR71E105KE11# | |
| | | | | ±20% | GRJ21BR71E105ME11# | |
| | | | 2.2μF | ±10% | GRJ21BR71E225KE01# | |
| | | | | ±20% | GRJ21BR71E225ME01# | |
| | 16Vdc | X7R | 4.7μF | ±10% | GRJ21BR71C475KE01# | |
| | | | | ±20% | GRJ21BR71C475ME01# | |
| | 10Vdc | X7R | 10μF | ±10% | GRJ21BR71A106KE01# | |
| | | | | ±20% | GRJ21BR71A106ME01# | |
| 1.5mm | 100Vdc | X7S | 1.0μF | ±10% | GRJ21BC72A105KE11# | |
| | | | | ±20% | GRJ21BC72A105ME11# | |

Part number # indicates the package specification code.

# GRJ Series High Dielectric Constant Type Deflecting crack Part Number List

## 3.2×1.6mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.95mm | 100Vdc | X7R | 0.10μF | ±10% | GRJ319R72A104KE11# | |
| | | | | ±20% | GRJ319R72A104ME11# | |
| | 50Vdc | X7R | 0.10μF | ±10% | GRJ319R71H104KE11# | |
| | | | | ±20% | GRJ319R71H104ME11# | |
| 1.25mm | 1000Vdc | X7R | 470pF | ±10% | GRJ31BR73A471KWJ1# | |
| | | | 680pF | ±10% | GRJ31BR73A681KWJ1# | |
| | | | 1000pF | ±10% | GRJ31BR73A102KWJ1# | |
| | | | 1500pF | ±10% | GRJ31BR73A152KWJ1# | |
| | | | 2200pF | ±10% | GRJ31BR73A222KWJ1# | |
| | | | 3300pF | ±10% | GRJ31BR73A332KWJ1# | |
| | | | 4700pF | ±10% | GRJ31BR73A472KWJ1# | |
| | 630Vdc | X7R | 1000pF | ±10% | GRJ31BR72J102KWJ1# | |
| | | | 1500pF | ±10% | GRJ31BR72J152KWJ1# | |
| | | | 2200pF | ±10% | GRJ31BR72J222KWJ1# | |
| | | | 3300pF | ±10% | GRJ31BR72J332KWJ1# | |
| | | | 4700pF | ±10% | GRJ31BR72J472KWJ1# | |
| | | | 6800pF | ±10% | GRJ31BR72J682KWJ1# | |
| | | | 10000pF | ±10% | GRJ31BR72J103KWJ1# | |
| | 250Vdc | X7R | 15000pF | ±10% | GRJ31BR72E153KWJ1# | |
| | | | 22000pF | ±10% | GRJ31BR72E223KWJ1# | |
| | | | 68000pF | ±10% | GRJ31BR72E683KWJ1# | |
| 1.35mm | 100Vdc | X7R | 0.22μF | ±10% | GRJ31MR72A224KE01# | |
| | | | | ±20% | GRJ31MR72A224ME01# | |
| | 50Vdc | X7R | 0.10μF | ±10% | GRJ31MR71H104KE01# | |
| | | | | ±20% | GRJ31MR71H104ME01# | |
| | | | 0.22μF | ±10% | GRJ31MR71H224KE01# | |
| | | | | ±20% | GRJ31MR71H224ME01# | |
| | | | 0.47μF | ±10% | GRJ31MR71H474KE01# | |
| | | | | ±20% | GRJ31MR71H474ME01# | |
| | | | 1.0μF | ±10% | GRJ31MR71H105KE01# | |
| | | | | ±20% | GRJ31MR71H105ME01# | |
| | 25Vdc | X7R | 2.2μF | ±10% | GRJ31MR71E225KE11# | |
| | | | | ±20% | GRJ31MR71E225ME11# | |
| | 16Vdc | X7R | 2.2μF | ±10% | GRJ31MR71C225KE11# | |
| | | | | ±20% | GRJ31MR71C225ME11# | |
| 1.8mm | 1000Vdc | X7R | 6800pF | ±10% | GRJ31CR73A682KWJ3# | |
| | | | 10000pF | ±10% | GRJ31CR73A103KWJ3# | |
| | 630Vdc | X7R | 15000pF | ±10% | GRJ31CR72J153KWJ3# | |
| | | | 22000pF | ±10% | GRJ31CR72J223KWJ3# | |
| | 250Vdc | X7R | 33000pF | ±10% | GRJ31CR72E333KWJ3# | |
| | | | 47000pF | ±10% | GRJ31CR72E473KWJ3# | |
| | | | 0.10μF | ±10% | GRJ31CR72E104KWJ3# | |
| 1.9mm | 100Vdc | X7R | 1.0μF | ±10% | GRJ31CR72A105KE11# | |
| | | | | ±20% | GRJ31CR72A105ME11# | |
| | 50Vdc | X7R | 1.0μF | ±10% | GRJ31CR71H105KE11# | |
| | | | | ±20% | GRJ31CR71H105ME11# | |
| | | | 2.2μF | ±10% | GRJ31CR71H225KE11# | |
| | | | | ±20% | GRJ31CR71H225ME11# | |
| | | | 4.7μF | ±10% | GRJ31CR71H475KE11# | |
| | | | | ±20% | GRJ31CR71H475ME11# | |
| | 25Vdc | X7R | 10μF | ±10% | GRJ31CR71E106KE11# | |
| | | | | ±20% | GRJ31CR71E106ME11# | |
| 1.9mm | 16Vdc | X7R | 4.7μF | ±10% | GRJ31CR71C475KE11# | |
| | | | | ±20% | GRJ31CR71C475ME11# | |
| | | | 10μF | ±10% | GRJ31CR71C106KE11# | |
| | | | | ±20% | GRJ31CR71C106ME11# | |
| | 10Vdc | X7R | 10μF | ±10% | GRJ31CR71A106KE11# | |
| | | | | ±20% | GRJ31CR71A106ME11# | |
| | | | 22μF | ±10% | GRJ31CR71A226KE12# | |
| | | | | ±20% | GRJ31CR71A226ME12# | |
| | 6.3Vdc | X7R | 22μF | ±10% | GRJ31CR70J226KE12# | |
| | | | | ±20% | GRJ31CR70J226ME12# | |

## 3.2×2.5mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.5mm | 1000Vdc | X7R | 6800pF | ±10% | GRJ32QR73A682KWJ1# | |
| | | | 10000pF | ±10% | GRJ32QR73A103KWJ1# | |
| | 630Vdc | X7R | 22000pF | ±10% | GRJ32QR72J223KWJ1# | |
| | 250Vdc | X7R | 68000pF | ±10% | GRJ32QR72E683KWJ1# | |
| | | | 0.15μF | ±10% | GRJ32QR72E154KWJ1# | |
| 2.0mm | 1000Vdc | X7R | 15000pF | ±10% | GRJ32DR73A153KWJ1# | |
| | | | 22000pF | ±10% | GRJ32DR73A223KWJ1# | |
| | 630Vdc | X7R | 33000pF | ±10% | GRJ32DR72J333KWJ1# | |
| | | | 47000pF | ±10% | GRJ32DR72J473KWJ1# | |
| | 250Vdc | X7R | 0.10μF | ±10% | GRJ32DR72E104KWJ1# | |
| | | | 0.22μF | ±10% | GRJ32DR72E224KWJ1# | |
| 2.3mm | 100Vdc | X7R | 2.2μF | ±10% | GRJ32DR72A225KE11# | |
| | | | | ±20% | GRJ32DR72A225ME11# | |
| | | X7S | 4.7μF | ±10% | GRJ32DC72A475KE11# | |
| | | | | ±20% | GRJ32DC72A475ME11# | |
| 2.8mm | 50Vdc | X7R | 4.7μF | ±10% | GRJ32ER71H475KE11# | |
| | | | | ±20% | GRJ32ER71H475ME11# | |
| | | | 10μF | ±10% | GRJ32ER71H106KE11# | |
| | | | | ±20% | GRJ32ER71H106ME11# | |
| | | X7S | 10μF | ±10% | GRJ32EC71H106KE11# | |
| | | | | ±20% | GRJ32EC71H106ME11# | |
| | 25Vdc | X7R | 10μF | ±10% | GRJ32ER71E106KE11# | |
| | | | | ±20% | GRJ32ER71E106ME11# | |
| | 16Vdc | X7R | 22μF | ±10% | GRJ32ER71C226KE11# | |
| | | | | ±20% | GRJ32ER71C226ME11# | |
| | 10Vdc | X7R | 22μF | ±10% | GRJ32ER71A226KE11# | |
| | | | | ±20% | GRJ32ER71A226ME11# | |
| | | | 47μF | ±10% | GRJ32ER71A476KE11# | |
| | | | | ±20% | GRJ32ER71A476ME11# | |
| | 6.3Vdc | X7R | 47μF | ±10% | GRJ32ER70J476KE11# | |
| | | | | ±20% | GRJ32ER70J476ME11# | |

## 4.5×3.2mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.5mm | 630Vdc | X7R | 68000pF | ±10% | GRJ43QR72J683KWJ1# | |
| | 250Vdc | X7R | 0.15μF | ±10% | GRJ43QR72E154KWJ1# | |
| 2.0mm | 1000Vdc | X7R | 33000pF | ±10% | GRJ43DR73A333KWJ1# | |

Part number # indicates the package specification code.

# GRJ Series High Dielectric Constant Type Deflecting crack Part Number List

## (→ 4.5×3.2mm)

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 2.0mm | 1000Vdc | X7R | 47000pF | ±10% | **GRJ43DR73A473KWJ1#** | |
| | 630Vdc | X7R | 0.10μF | ±10% | **GRJ43DR72J104KWJ1#** | |
| | 250Vdc | X7R | 0.22μF | ±10% | **GRJ43DR72E224KWJ1#** | |
| | | | 0.33μF | ±10% | **GRJ43DR72E334KWJ1#** | |
| | | | 0.47μF | ±10% | **GRJ43DR72E474KWJ1#** | |

## 5.7×5.0mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 2.0mm | 1000Vdc | X7R | 68000pF | ±10% | **GRJ55DR73A683KWJ1#** | |
| | | | 0.10μF | ±10% | **GRJ55DR73A104KWJ1#** | |
| | 630Vdc | X7R | 0.15μF | ±10% | **GRJ55DR72J154KWJ1#** | |
| | | | 0.22μF | ±10% | **GRJ55DR72J224KWJ1#** | |
| | 250Vdc | X7R | 0.33μF | ±10% | **GRJ55DR72E334KWJ1#** | |
| | | | 0.47μF | ±10% | **GRJ55DR72E474KWJ1#** | |
| | | | 0.68μF | ±10% | **GRJ55DR72E684KWJ1#** | |
| | | | 1.0μF | ±10% | **GRJ55DR72E105KWJ1#** | |

Part number # indicates the package specification code.

8-Terminal Low ESL Monolithic Ceramic Capacitor

# LLA Series

Low ESL

WEB

## 8-Terminal Type Low ESL Capacitor Ideal for Power Supply Decoupling of High-speed Operation IC

## Features

### 1 Ultra-low ESL

Since the equivalent series inductance (ESL) is very low with excellent high frequency characteristics due to the design structure, this capacitor is ideal for power supply decoupling of high-speed operation IC.

<Example of Structure>

<Effectiveness of Cancelling Out Inductance by Mutual Inductance>

<Effectiveness of Suppressing Inductance when Mounting a Multi-terminal Capacitor>

**The inductance for the boards also becomes lower, not only the capacitor.**

### 2 A maximum operating temperature up to 125ºC

This product is applicable to high temperatures (X7* characteristics); however, Murata also offers numerous thin type products, which are ideal as decoupling capacitors on IC package.

## Specifications

| | |
|---|---|
| Size (mm) | 1.6×0.8mm to 3.2×1.6mm |
| Rated Voltage | 4Vdc to 25Vdc |
| Capacitance | 10000pF to 4.7μF |
| Main Applications | Application processor/CPU/GPU |

This catalog contains only a portion of the product lineup.
Please refer to the capacitor search tool on the Murata Web site for details.

<Dimensions>

# LLA Series High Dielectric Constant Type LOW ESL Part Number List

## 1.6×0.8mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 4Vdc | X7S | 0.10μF | ±20% | **LLA185C70G104MA01#** | |
| | | | 0.22μF | ±20% | **LLA185C70G224MA01#** | |
| | | | 0.47μF | ±20% | **LLA185C70G474MA01#** | |
| | | | 2.2μF | ±20% | **LLA185C70G225ME16#** | |

## 2.0×1.25mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 25Vdc | X7R | 10000pF | ±20% | **LLA215R71E103MA14#** | |
| | | | 22000pF | ±20% | **LLA215R71E223MA14#** | |
| | 16Vdc | X7R | 47000pF | ±20% | **LLA215R71C473MA14#** | |
| | | | 0.10μF | ±20% | **LLA215R71C104MA14#** | |
| | 10Vdc | X7R | 0.22μF | ±20% | **LLA215R71A224MA14#** | |
| | 6.3Vdc | X7R | 0.47μF | ±20% | **LLA215R70J474MA14#** | |
| | 4Vdc | X7S | 1.0μF | ±20% | **LLA215C70G105MA14#** | |
| | | | 4.7μF | ±20% | **LLA215C70G475ME19#** | |
| 0.95mm | 25Vdc | X7R | 10000pF | ±20% | **LLA219R71E103MA01#** | |
| | | | 22000pF | ±20% | **LLA219R71E223MA01#** | |
| | | | 47000pF | ±20% | **LLA219R71E473MA01#** | |
| | 16Vdc | X7R | 0.10μF | ±20% | **LLA219R71C104MA01#** | |
| | | | 0.22μF | ±20% | **LLA219R71C224MA01#** | |
| | 10Vdc | X7R | 0.47μF | ±20% | **LLA219R71A474MA01#** | |
| | 6.3Vdc | X7R | 1.0μF | ±20% | **LLA219R70J105MA01#** | |
| | 4Vdc | X7S | 2.2μF | ±20% | **LLA219C70G225MA01#** | |

## 3.2×1.6mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 16Vdc | X7R | 0.22μF | ±20% | **LLA315R71C224MA14#** | |
| | 10Vdc | X7R | 0.47μF | ±20% | **LLA315R71A474MA14#** | |
| | 6.3Vdc | X7R | 1.0μF | ±20% | **LLA315R70J105MA14#** | |
| | | | 2.2μF | ±20% | **LLA315R70J225MA14#** | |
| 0.95mm | 16Vdc | X7R | 0.47μF | ±20% | **LLA319R71C474MA01#** | |
| | 10Vdc | X7R | 1.0μF | ±20% | **LLA319R71A105MA01#** | |
| 1.25mm | 16Vdc | X7R | 1.0μF | ±20% | **LLA31MR71C105MA01#** | |
| | 10Vdc | X7R | 2.2μF | ±20% | **LLA31MR71A225MA01#** | |

Part number # indicates the package specification code.

LW Reversed Type Low ESL Monolithic Ceramic Capacitors

# LLL Series

Low ESL

WEB

**This low ESL capacitor is ideal for power supply decoupling of high-speed operation electronic equipment.**

## Features

### ① Low ESL

Since the equivalent series inductance (ESL) is low and excellent in high frequency characteristics, this capacitor is suitable for power supply decoupling of high-speed operation electronic equipment.

<Example of Structure>

### ② Contributes to a reduction in the number of components.

The number of components can be reduced by using low ESL capacitors, while maintaining functions equivalent to general purpose capacitors (GRM Series).

Murata proposes the use of the LLL series to reduce the number of components and high costs. Simulation is also possible.

› Proposal for Cost Reductions

WEB

### ③ A maximum operating temperature up to 125°C

We also offer an abundant lineup of X7* characteristics that can be used in high temperature locations, such as IC packages.

## Specifications

| | |
|---|---|
| Size (mm) | 0.5×1.0mm to 1.6×3.2mm |
| Rated Voltage | 2.5Vdc to 50Vdc |
| Capacitance | 2200pF to 10μF |
| Main Applications | Application processor/CPU/GPU |

<Dimensions>

This catalog contains only a portion of the product lineup.
Please refer to the capacitor search tool on the Murata Web site for details.

# LLL Series High Dielectric Constant Type LOW ESL Part Number List

## 0.5×1.0mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.35mm | 6.3Vdc | X6S | 0.10μF | ±20% | **LLL153C80J104ME01#** | |
| | | | 0.22μF | ±20% | **LLL153C80J224ME14#** | |
| | 4Vdc | X7S | 0.47μF | ±20% | **LLL153C70G474ME17#** | |
| | | X6S | 1.0μF | ±20% | **LLL153C80G105ME21#** | |

## 0.6×1.0mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.45mm | 4Vdc | X5R | 4.3μF | ±20% | **LLL1U4R60G435ME22#** | D1 |

## 0.8×1.6mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.5mm | 25Vdc | X7R | 10000pF | ±20% | **LLL185R71E103MA11#** | |
| | 16Vdc | X7R | 22000pF | ±20% | **LLL185R71C223MA11#** | |
| | | | 47000pF | ±20% | **LLL185R71C473MA11#** | |
| | 10Vdc | X7R | 0.10μF | ±20% | **LLL185R71A104MA11#** | |
| | 4Vdc | X7S | 0.22μF | ±20% | **LLL185C70G224MA11#** | |
| 0.55mm | 4Vdc | X7S | 2.2μF | ±20% | **LLL185C70G225ME01#** | |
| 0.6mm | 50Vdc | X7R | 2200pF | ±20% | **LLL185R71H222MA01#** | |
| | | | 4700pF | ±20% | **LLL185R71H472MA01#** | |
| | 25Vdc | X7R | 10000pF | ±20% | **LLL185R71E103MA01#** | |
| | | | 22000pF | ±20% | **LLL185R71E223MA01#** | |
| | 16Vdc | X7R | 47000pF | ±20% | **LLL185R71C473MA01#** | |
| | 10Vdc | X7R | 0.10μF | ±20% | **LLL185R71A104MA01#** | |
| | | | 0.22μF | ±20% | **LLL185R71A224MA01#** | |
| | 4Vdc | X7S | 0.47μF | ±20% | **LLL185C70G474MA01#** | |

## 1.25×2.0mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.5mm | 50Vdc | X7R | 10000pF | ±20% | **LLL215R71H103MA11#** | |
| | 25Vdc | X7R | 22000pF | ±20% | **LLL215R71E223MA11#** | |
| | 16Vdc | X7R | 47000pF | ±20% | **LLL215R71C473MA11#** | |
| | | | 0.10μF | ±20% | **LLL215R71C104MA11#** | |
| | 10Vdc | X7R | 0.22μF | ±20% | **LLL215R71A224MA11#** | |
| | 6.3Vdc | X7R | 0.47μF | ±20% | **LLL215R70J474MA11#** | |
| | 4Vdc | X7S | 1.0μF | ±20% | **LLL215C70G105MA11#** | |
| 0.7mm | 50Vdc | X7R | 10000pF | ±20% | **LLL216R71H103MA01#** | |
| | | | 22000pF | ±20% | **LLL216R71H223MA01#** | |
| | 25Vdc | X7R | 47000pF | ±20% | **LLL216R71E473MA01#** | |
| | | | 0.10μF | ±20% | **LLL216R71E104MA01#** | |
| | 10Vdc | X7R | 0.22μF | ±20% | **LLL216R71A224MA01#** | |
| 0.95mm | 16Vdc | X7R | 0.22μF | ±20% | **LLL219R71C224MA01#** | |
| | 10Vdc | X7R | 0.47μF | ±20% | **LLL219R71A474MA01#** | |
| | | | 1.0μF | ±20% | **LLL219R71A105MA01#** | |
| | 4Vdc | X7S | 2.2μF | ±20% | **LLL219C70G225MA01#** | |

## 1.6×3.2mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.5mm | 50Vdc | X7R | 10000pF | ±20% | **LLL315R71H103MA11#** | |
| | | | 22000pF | ±20% | **LLL315R71H223MA11#** | |
| | 25Vdc | X7R | 47000pF | ±20% | **LLL315R71E473MA11#** | |
| | | | 0.10μF | ±20% | **LLL315R71E104MA11#** | |
| | 16Vdc | X7R | 0.22μF | ±20% | **LLL315R71C224MA11#** | |
| | 10Vdc | X7R | 0.47μF | ±20% | **LLL315R71A474MA11#** | |
| 0.8mm | 50Vdc | X7R | 10000pF | ±20% | **LLL317R71H103MA01#** | |
| | | | 22000pF | ±20% | **LLL317R71H223MA01#** | |
| | | | 47000pF | ±20% | **LLL317R71H473MA01#** | |
| | 25Vdc | X7R | 0.10μF | ±20% | **LLL317R71E104MA01#** | |
| | 16Vdc | X7R | 0.22μF | ±20% | **LLL317R71C224MA01#** | |
| | | | 0.47μF | ±20% | **LLL317R71C474MA01#** | |
| | 10Vdc | X7R | 1.0μF | ±20% | **LLL317R71A105MA01#** | |
| | 6.3Vdc | X7R | 2.2μF | ±20% | **LLL317R70J225MA01#** | |
| 1.25mm | 50Vdc | X7R | 0.10μF | ±20% | **LLL31MR71H104MA01#** | |
| | 25Vdc | X7R | 0.22μF | ±20% | **LLL31MR71E224MA01#** | |
| | | | 0.47μF | ±20% | **LLL31MR71E474MA01#** | |
| | 16Vdc | X7R | 1.0μF | ±20% | **LLL31MR71C105MA01#** | |
| | 10Vdc | X7R | 2.2μF | ±20% | **LLL31MR71A225MA01#** | |
| | 6.3Vdc | X7R | 4.7μF | ±20% | **LLL31MR70J475MA01#** | |
| | | X5R | 10μF | ±20% | **LLL31MR60J106ME01#** | |

Part number # indicates the package specification code.

10-Terminal Type Low ESL Monolithic Ceramic Capacitor

# LLM Series

Low ESL

WEB

## 10-Terminal Type Low ESL Capacitor Ideal for Power Supply Decoupling of High-speed Operation IC

## Features

### 1 This is the lowest ESL LW reversed type capacitor.

Since the equivalent series inductance (ESL) of this product is even lower than the LLA series (8-terminal product) with excellent high frequency characteristics, this capacitor is ideal for power supply decoupling of high-speed operation IC.

<Example of Structure>

<Effectiveness of Cancelling Out Inductance by Mutual Inductance>

<Effectiveness of Suppressing Inductance when Mounting a Multi-terminal Capacitor>

**The inductance for the boards also becomes lower, not only the capacitor.**

### 2 A maximum operating temperature up to 125°C

This product is applicable to high temperatures (X7* characteristics); however, Murata also offers numerous thin type products, which are ideal as decoupling capacitors on IC package.

## Specifications

| | |
|---|---|
| Size (mm) | 2.0×1.25mm to 3.2×1.6mm |
| Rated Voltage | 4Vdc to 16Vdc |
| Capacitance | 0.10μF to 2.2μF |
| Main Applications | Application processor/CPU/GPU |

This catalog contains only a portion of the product lineup.
Please refer to the capacitor search tool on the Murata Web site for details.

<Dimensions>

# LLM Series High Dielectric Constant Type LOW ESL Part Number List

## 2.0×1.25mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 6.3Vdc | X7R | 0.22μF | ±20% | **LLM215R70J224MA11#** | |
| | | | 0.47μF | ±20% | **LLM215R70J474MA11#** | |
| | 4Vdc | X7S | 1.0μF | ±20% | **LLM215C70G105MA11#** | |

## 3.2×1.6mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 16Vdc | X7R | 0.10μF | ±20% | **LLM315R71C104MA11#** | |
| | | | 0.22μF | ±20% | **LLM315R71C224MA11#** | |
| | 10Vdc | X7R | 0.47μF | ±20% | **LLM315R71A474MA11#** | |
| | 6.3Vdc | X7R | 2.2μF | ±20% | **LLM315R70J225MA11#** | |

Part number # indicates the package specification code.

ESR Controlled Type Low ESL Monolithic Ceramic Capacitors

# LLR Series

Low ESL

WEB

## ESR Controlled Type Low ESL Capacitors Equipped with Anti-resonance Control Function

## Features

### ① Reduces Anti-resonance

This capacitor is controlled so that the equivalent series resistance (ESR) becomes slightly higher, and is effective in reducing the anti-resonance that occurs when capacitor arrays are used.

### ② Lineup of capacitors with ESR values from 100-1,000mΩ.

According to the conditions of the anti-resonance, the most suitable ESR value can be selected from 4 types.

### ③ Low ESL

This ESR controlled type capacitor has excellent high frequency characteristics, with low equivalent series inductance (ESL). This is also ideal as a decoupling component.

## Specifications

| | |
|---|---|
| Size (mm) | 0.8×1.6mm |
| Rated Voltage | 4Vdc |
| Capacitance | 1.0μF |
| Main Applications | Network processor/ASIC/PMIC |

<Dimensions>

This catalog contains only a portion of the product lineup.
Please refer to the capacitor search tool on the Murata Web site for details.

# LLR Series High Dielectric Constant Type LOW ESL Part Number List

## 0.8×1.6mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 4Vdc | X7S | 1.0μF | ±20% | **LLR185C70G105ME01#** | |
| | | | | ±20% | **LLR185C70G105ME03#** | |
| | | | | ±20% | **LLR185C70G105ME05#** | |
| | | | | ±20% | **LLR185C70G105ME07#** | |

Part number # indicates the package specification code.

Metal terminal type monolithic ceramic capacitors

# KRM Series

Anti-noise | Deflecting crack | Soldering crack | WEB

## Bonding the metal terminals to external electrodes solves design issues by mounting large size MLCC!

## Features

### 1 Bond metal terminals to the external electrodes of chips.

The stress applied to the chip is relieved by the elastic action of the metal terminal.

### 2 Substantially reduces noise, board deflection cracks and soldering cracks.

This product is not damaged even with a board deflection of 6 mm.
Solder cracks do not occur even with 2,000 cycles of heat stress.

**Acoustic Noise is Reduced with Metal Terminals**

**Reduces Stress Caused by Board Deflection**

**Suppresses Solder Cracks Caused by Heat Stress**

| Chip Size | Chip Only (5750 (in mm)/2220 (in inch) size) | Metal Terminal Type (5750 (in mm)/2220 (in inch) size) |
|---|---|---|
| 1000 Cycle | | |
| 2000 Cycle | | |

Compared with chips only, this product is excellent in solder cracking resistance.

Test Condition: -55 to +125°C, 5min.,(Liquid Phase)
Board Used: Glass Epoxy Board (FR-4)

**Demonstrates replacement value of low noise capacitors** Experience the effectiveness of the KRM Series.

Examples of Noise Countermeasures

WEB

## ③ 2 chips can be stacked.

Realize large capacity by stacking 2 capacitors.

## Specifications

| | |
|---|---|
| Size (mm) | 2.2×1.25mm to 6.1×5.3mm |
| Rated Voltage | 16Vdc to 1000Vdc |
| Capacitance | 68000pF to 68μF |
| Main Applications | For smoothing and noise suppression of DC-DC converters |

This catalog contains only a portion of the product lineup.
Please refer to the capacitor search tool on the Murata Web site for details.

<Dimensions>

# KRM Series High Dielectric Constant Type Anti-noise Deflecting crack Soldering crack Part Number List

## 2.2×1.25mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 1.9mm | 25Vdc | X5R | 10μF | ±10% | KRM21ER61E106KFA1# | |
| | 16Vdc | X5R | 10μF | ±10% | KRM21ER61C106KFA1# | |
| 2.0mm | 25Vdc | X7S | 10μF | ±10% | KRM21FC71E106KFA1# | D1 |
| | | X6S | 10μF | ±10% | KRM21FC81E106KFA1# | D1 |
| | | X5R | 22μF | ±20% | KRM21FR61E226MFA1# | |

## 3.5×1.7mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 2.0mm | 25Vdc | X5R | 10μF | ±10% | KRM31FR61E106KH01# | |
| 2.9mm | 100Vdc | X7R | 1.0μF | ±10% | KRM31KR72A105KH01# | |
| | 50Vdc | X7R | 4.7μF | ±10% | KRM31KR71H475KH01# | |
| | 35Vdc | X6S | 10μF | ±10% | KRM31KC8YA106KH01# | |
| | 25Vdc | X6S | 10μF | ±10% | KRM31KC81E106KH01# | |

## 3.6×1.7mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 2.9mm | 50Vdc | X7R | 2.2μF | ±10% | KRM31KR71H225KH01# | |

## 3.7×1.85mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 2.9mm | 100Vdc | X7R | 2.2μF | ±10% | KRM31KR72A225KH01# | |

## 6.1×5.3mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 3.0mm | 1000Vdc | X7R | 68000pF | ±10% | KRM55LR73A683KH01# | |
| | | | 0.10μF | ±10% | KRM55LR73A104KH01# | |
| | 630Vdc | X7R | 0.15μF | ±10% | KRM55LR72J154KH01# | |
| | | | 0.22μF | ±10% | KRM55LR72J224KH01# | |
| | 250Vdc | X7R | 0.68μF | ±10% | KRM55LR72E684KH01# | |
| | | | 1.0μF | ±10% | KRM55LR72E105KH01# | |
| | 100Vdc | X7R | 4.7μF | ±10% | KRM55LR72A475KH01# | |
| | 63Vdc | X7R | 4.7μF | ±10% | KRM55LR71J475KH01# | |
| | 50Vdc | X7R | 4.7μF | ±10% | KRM55LR71H475KH01# | |
| | | | 10μF | ±10% | KRM55LR71H106KH01# | |
| | 35Vdc | X7R | 10μF | ±10% | KRM55LR7YA106KH01# | |
| | | | 15μF | ±10% | KRM55LR7YA156KH01# | |
| | 25Vdc | X7R | 15μF | ±10% | KRM55LR71E156KH01# | |
| 3.9mm | 100Vdc | X7R | 6.8μF | ±10% | KRM55QR72A685KH01# | |
| | | | 10μF | ±10% | KRM55QR72A106KH01# | |
| | 63Vdc | X7R | 10μF | ±10% | KRM55QR71J106KH01# | |
| | 50Vdc | X7R | 17μF | ±10% | KRM55QR71H176KH01# | |
| | 35Vdc | X7R | 17μF | ±10% | KRM55QR7YA176KH01# | |
| | | | 22μF | ±10% | KRM55QR7YA226KH01# | |
| | 25Vdc | X7R | 22μF | ±10% | KRM55QR71E226KH01# | |
| 3.9mm | 25Vdc | X7R | 33μF | ±10% | KRM55QR71E336KH01# | |
| 5.0mm | 1000Vdc | X7R | 0.15μF | ±20% | KRM55TR73A154MH01# | |
| | | | 0.22μF | ±20% | KRM55TR73A224MH01# | |
| | 630Vdc | X7R | 0.33μF | ±20% | KRM55TR72J334MH01# | |
| | | | 0.47μF | ±20% | KRM55TR72J474MH01# | |
| | 250Vdc | X7R | 1.5μF | ±20% | KRM55TR72E155MH01# | |
| | | | 2.2μF | ±20% | KRM55TR72E225MH01# | |
| | 100Vdc | X7R | 10μF | ±20% | KRM55TR72A106MH01# | |
| | 50Vdc | X7R | 22μF | ±20% | KRM55TR71H226MH01# | |
| | 35Vdc | X7R | 22μF | ±20% | KRM55TR7YA226MH01# | |
| | | | 33μF | ±20% | KRM55TR7YA336MH01# | |
| | 25Vdc | X7R | 33μF | ±20% | KRM55TR71E336MH01# | |
| 6.7mm | 100Vdc | X7R | 15μF | ±20% | KRM55WR72A156MH01# | |
| | | | 22μF | ±20% | KRM55WR72A226MH01# | |
| | 63Vdc | X7R | 22μF | ±20% | KRM55WR71J226MH01# | |
| | 50Vdc | X7R | 33μF | ±20% | KRM55WR71H336MH01# | |
| | 35Vdc | X7R | 47μF | ±20% | KRM55WR7YA476MH01# | |
| | 25Vdc | X7R | 47μF | ±20% | KRM55WR71E476MH01# | |
| | | | 68μF | ±20% | KRM55WR71E686MH01# | |

Part number # indicates the package specification code.

High Effective Capacitance & High Allowable Ripple Current Metal Terminal Type Monolithic Ceramic Capacitor

# KR3 Series

Anti-noise | Deflecting crack | Soldering crack | WEB

## Bonding the metal terminals to external electrodes solves design issues by mounting large size MLCC!

## Features

### ① Bond Metal Terminals to External Electrodes of Chips

This product has high resistance to heat and mechanical impact and greatly reduces acoustic noise of boards by ceramics.

### ② Stacking of Chips

Achieve high capacity by stacking 2 capacitors.

**Comparison of Noise Reduction Effects**

Evaluation Items: 5750 (in mm)/2220 (in inch) size/DC630V/220nF
Test Method: DC50V, AC10Vp-p/3kHz
Test Board: Glass Epoxy Board (T: 1.6mm)
Test Quantity: 3pc
Distance Between Microphone and Board: 3mm

Note: Results Using Murata's Evaluation Board

**Reduces Stress Caused by Board Deflection**

**Suppresses Solder Cracks Caused by Heat Stress**

| Chip Size | Chip Only (5750 (in mm)/2220 (in inch) size) | | Metal Terminal Type (5750 (in mm)/2220 (in inch) size) | |
|---|---|---|---|---|
| 1000 Cycle | | ⇧Solder Crack | | |
| 2000 Cycle | | ⇧Solder Crack | | |

Compared with chips only, this product is excellent in solder cracking resistance.

Test Condition: -55 to +125°C, 5min., (Liquid Phase)
Board Used: Glass Epoxy Board (FR-4)

## ③ Adopted Low Dielectric Constant Materials

Improved effective capacity and ripple resistant performance, compared to conventional products (X7R characteristics).

## Specifications

| | |
|---|---|
| Size (mm) | 6.1×5.3mm |
| Rated Voltage | 250Vdc to 630Vdc |
| Capacitance | 0.10μF to 2.2μF |
| Main Applications | For DC-DC converters of general electronic equipment |

This catalog contains only a portion of the product lineup.
Please refer to the capacitor search tool on the Murata Web site for details.

<Dimensions>

# KR3 Series High Dielectric Constant Type Anti-noise Deflecting crack Soldering crack Part Number List

## 6.1×5.3mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 3.0mm | 630Vdc | X7T | 0.10μF | ±10% | **KR355LD72J104KH01#** | |
| | | | 0.15μF | ±10% | **KR355LD72J154KH01#** | |
| | 450Vdc | X7T | 0.22μF | ±10% | **KR355LD72W224KH01#** | |
| | | | 0.33μF | ±10% | **KR355LD72W334KH01#** | |
| | | | 0.47μF | ±10% | **KR355LD72W474KH01#** | |
| | 250Vdc | X7T | 0.47μF | ±10% | **KR355LD72E474KH01#** | |
| | | | 0.68μF | ±10% | **KR355LD72E684KH01#** | |
| 3.9mm | 630Vdc | X7T | 0.22μF | ±10% | **KR355QD72J224KH01#** | |
| | | | 0.27μF | ±10% | **KR355QD72J274KH01#** | |
| | 450Vdc | X7T | 0.56μF | ±10% | **KR355QD72W564KH01#** | |
| | 250Vdc | X7T | 1.0μF | ±10% | **KR355QD72E105KH01#** | |
| 5.0mm | 450Vdc | X7T | 0.68μF | ±20% | **KR355TD72W684MH01#** | |
| | | | 1.0μF | ±20% | **KR355TD72W105MH01#** | |
| | 250Vdc | X7T | 1.5μF | ±20% | **KR355TD72E155MH01#** | |
| 6.7mm | 630Vdc | X7T | 0.47μF | ±20% | **KR355WD72J474MH01#** | |
| | | | 0.56μF | ±20% | **KR355WD72J564MH01#** | |
| | 450Vdc | X7T | 1.2μF | ±20% | **KR355WD72W125MH01#** | |
| | 250Vdc | X7T | 2.2μF | ±20% | **KR355WD72E225MH01#** | |

Part number # indicates the package specification code.

3 Terminal Low ESL Monolithic Ceramic Capacitors

# NFM Series

Low ESL EMI FIL®

WEB

**This is the most suitable Low ESL capacitors for noise measurement and power decoupling of highspeed electrical devices.**

## Features

### ① Low ESL

Since the equivalent series inductance (ESL) is low and excellent in high frequency characteristics, this capacitor is suitable for power supply decoupling of high-speed operation electronic equipment.

Realizes Ultra low ESL by using a extremely shorter high frequency current path

▪ 2-terminal Capacitor

× long current distance
× Narrow wiring width

▪ 3-terminal capacitor

○ Short current distance
○ Wide wiring width
○ Four routes formed in parallel

### ② Contributes to a reduction in the number of components.

The number of components can be reduced by using low ESL capacitors, while maintaining functions equivalent to general purpose capacitors (GRM Series).

**Before**

2-terminal capacitor
100pcs

Reduction of 68 components

**After**

3-terminal capacitor
32pcs

### ③ Contributes to noise suppression

Example of noise suppression effect WEB

## Specifications

| | |
|---|---|
| Size (mm) | 1.0×0.5mm to 4.5×1.6mm |
| Rated Voltage | 2.5Vdc to 100Vdc |
| Capacitance | 100pF to 27μF |
| Main Applications | For decoupling and smoothing circuits, For noise suppression |

<Dimensions>

# NFM Series Low ESL EMI FIL® Part Number List

## 1.0×0.5mm

| T max. | Rated Voltage | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|
| 0.35mm | 6.3Vdc | 0.47μF | ±20% | NFM15PC474R0J3# | |
| | 4Vdc | 0.47μF | ±20% | NFM15PC474D0G3# | |
| | | 1.0μF | ±20% | NFM15PC105R0G3# | |
| 0.5mm | 16Vdc | 2200pF | ±20% | NFM15CC222D1C3# | |
| | | 22000pF | ±20% | NFM15CC223C1C3# | |
| | | 47000pF | ±20% | NFM15PC473C1C3# | |
| | 10Vdc | 2200pF | ±20% | NFM15CC222D1A3# | |
| | | 22000pF | ±20% | NFM15CC223C1A3# | |
| | | 47000pF | ±20% | NFM15PC473C1A3# | |
| | | 0.10μF | ±20% | NFM15PC104R1A3# | |
| | | 0.22μF | ±20% | NFM15PC224R1A3# | |
| | 6.3Vdc | 0.10μF | ±20% | NFM15PC104D0J3# | |
| | | 0.22μF | ±20% | NFM15PC224D0J3# | |
| | 2.5Vdc | 4.3μF | ±20% | NFM15PC435R0E3# | |
| 0.65mm | 2.5Vdc | 7.5μF | ±20% | NFM15PC755R0E3# | |
| 0.7mm | 2.5Vdc | 9.1μF | ±20% | NFM15PC915R0E3# | |

## 1.6×0.8mm

| T max. | Rated Voltage | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|
| 0.7mm | 16Vdc | 100pF | ±20% | NFM18CC101R1C3# | |
| | | 220pF | ±20% | NFM18CC221R1C3# | |
| | | 470pF | ±20% | NFM18CC471R1C3# | |
| | | 1000pF | ±20% | NFM18CC102R1C3# | |
| | | 2200pF | ±20% | NFM18CC222R1C3# | |
| | | 22000pF | ±20% | NFM18CC223R1C3# | |
| | | 0.10μF | ±20% | NFM18PC104R1C3# | |
| | 6.3Vdc | 0.22μF | ±20% | NFM18PC224R0J3# | |
| | | 0.47μF | ±20% | NFM18PC474R0J3# | |
| | | | ±20% | NFM18PS474R0J3# | |
| | | 1.0μF | ±20% | NFM18PS105D0J3# | |
| | | | ±20% | NFM18PS105R0J3# | |
| | | 2.2μF | ±20% | NFM18PC225B0J3# | |
| 0.9mm | 10Vdc | 2.2μF | ±20% | NFM18PC225B1A3# | |
| | 6.3Vdc | 1.0μF | ±20% | NFM18PC105R0J3# | |

## 2.0×1.25mm

| T max. | Rated Voltage | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|
| 0.95mm | 50Vdc | 220pF | ±20% | NFM21CC221R1H3# | |
| | | 470pF | ±20% | NFM21CC471R1H3# | |
| | | 1000pF | ±20% | NFM21CC102R1H3# | |
| | | 2200pF | ±20% | NFM21CC222R1H3# | |
| | | 22000pF | ±20% | NFM21CC223R1H3# | |
| | 25Vdc | 0.10μF | ±20% | NFM21PC104R1E3# | |
| | 16Vdc | 0.22μF | ±20% | NFM21PC224R1C3# | |
| | | 0.47μF | ±20% | NFM21PC474R1C3# | |
| | | 1.0μF | ±20% | NFM21PC105B1C3# | |
| | 10Vdc | 1.0μF | ±20% | NFM21PC105B1A3# | |
| | | 4.7μF | ±20% | NFM21PC475B1A3# | |
| 0.95mm | 6.3Vdc | 2.2μF | ±20% | NFM21PC225B0J3# | |
| | | 10μF | ±20% | NFM21PS106B0J3# | |

## 3.2×1.25mm

| T max. | Rated Voltage | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|
| 0.9mm | 50Vdc | 220pF | +50/-20% | NFM3DCC221R1H3# | |
| | | 470pF | +50/-20% | NFM3DCC471R1H3# | |
| | | 1000pF | +50/-20% | NFM3DCC102R1H3# | |
| | | 2200pF | +50/-20% | NFM3DCC222R1H3# | |
| | | 22000pF | +50/-20% | NFM3DCC223R1H3# | |
| | | | ±20% | NFM3DPC223R1H3# | D3 |

## 3.2×1.6mm

| T max. | Rated Voltage | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|
| 1.5mm | 100Vdc | 10000pF | ±20% | NFM31KC103R2A3# | D3 |
| | | 15000pF | ±20% | NFM31KC153R2A3# | |
| | | 22000pF | ±20% | NFM31KC223R2A3# | |
| | | 0.10μF | ±20% | NFM31KC104R2A3# | |
| | 50Vdc | 10000pF | ±20% | NFM31KC103R1H3# | D3 |
| | | 15000pF | ±20% | NFM31KC153R1H3# | D3 |
| | | 22000pF | ±20% | NFM31KC223R1H3# | D3 |
| | | 0.10μF | ±20% | NFM31KC104R1H3# | |
| | 6.3Vdc | 27μF | ±20% | NFM31PC276B0J3# | |

## 4.5×1.6mm

| T max. | Rated Voltage | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|
| 1.2mm | 100Vdc | 470pF | +50/-20% | NFM41CC471R2A3# | |
| | | 1000pF | +50/-20% | NFM41CC102R2A3# | |
| | | 2200pF | +50/-20% | NFM41CC222R2A3# | |
| | | 22000pF | +50/-20% | NFM41CC223R2A3# | |
| | 50Vdc | 0.20μF | +80/-20% | NFM41PC204F1H3# | |
| | | 1.5μF | ±20% | NFM41PC155B1H3# | |
| | 25Vdc | 1.5μF | ±20% | NFM41PC155B1E3# | |

Part number # indicates the package specification code.

Monolithic Ceramic Capacitors for implanted Medical Devices

# GCH Series

Medical Device

WEB

**These medical-grade monolithic ceramic capacitors are suitable for use in non-critical circuits of implanted medical devices such as cardiac pacemakers.**

## Features

### 1 Ideal for use in implanted medical devices (non-critical circuits*)

These capacitors are suitable for use in non-critical circuits of implanted medical devices such as cardiac pacemakers, implanted diagnostic devices, implanted rehabilitation devices and implanted nerve stimulation devices.
They were developed based on high-reliability capacitor design technology, quality control, and process management know-how amassed by Murata in the development of markets requiring high reliability, such as the automotive market.
As verified by reliability testing including heat cycle and humidity-resistance load tests, they are guaranteed to withstand more severe conditions than our general-purpose (GRM series) capacitors.

* Non-critical circuits
This term refers to circuits in implanted medical devices that are not directly linked to life support, i.e., circuits that will not directly endanger the life of the patient should the functionality of the device be reduced or halted by failure of the circuit.
In the case of cardiac pacemakers, circuits that are not directly linked to life support would be considered non-critical circuits.
Murata also produces a series of capacitors (the GCR series) suitable for critical circuits linked to life support.
Please contact your Murata sales representative for details.
You can also contact us via our website.

### 2 Individual management and inspection available upon request.

Individual management, such as appearance inspections or verification of various characteristics, can be performed upon request.

### 3 Sn plating is applied to the external electrodes; excellent solderability.

<Example of Structure>

## Specifications

| | |
|---|---|
| Size (mm) | 1.0×0.5mm to 3.2×2.5mm |
| Rated Voltage | 6.3Vdc to 100Vdc |
| Capacitance | 1.0pF to 47μF |
| Main Applications | Non-critical circuits of Implanted medical devices such as cardiac pacemakers, Implanteddiagnostic devices, Implanted rehabilitation devices and Implanted nerve stimulation devices |

<Dimensions>

This catalog contains only a portion of the product lineup.
Please refer to the capacitor search tool on the Murata Web site for details.

# GCH Series Temperature Compensating Type Medical Device Part Number List

## 1.0×0.5mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 50Vdc | C0G | 1.0pF | ±0.25pF | GCH1555C1H1R0CE01# | |
| | | | 2.0pF | ±0.25pF | GCH1555C1H2R0CE01# | |
| | | | 3.0pF | ±0.25pF | GCH1555C1H3R0CE01# | |
| | | | 4.0pF | ±0.25pF | GCH1555C1H4R0CE01# | |
| | | | 5.0pF | ±0.25pF | GCH1555C1H5R0CE01# | |
| | | | 6.0pF | ±0.5pF | GCH1555C1H6R0DE01# | |
| | | | 7.0pF | ±0.5pF | GCH1555C1H7R0DE01# | |
| | | | 8.0pF | ±0.5pF | GCH1555C1H8R0DE01# | |
| | | | 9.0pF | ±0.5pF | GCH1555C1H9R0DE01# | |
| | | | 10pF | ±5% | GCH1555C1H100JE01# | |
| | | | 15pF | ±5% | GCH1555C1H150JE01# | |
| | | | 22pF | ±5% | GCH1555C1H220JE01# | |
| | | | 33pF | ±5% | GCH1555C1H330JE01# | |
| | | | 47pF | ±5% | GCH1555C1H470JE01# | |
| | | | 68pF | ±5% | GCH1555C1H680JE01# | |
| | | | 100pF | ±5% | GCH1555C1H101JE01# | |
| | | | 150pF | ±5% | GCH1555C1H151JE01# | |
| | | | 220pF | ±5% | GCH1555C1H221JE01# | |
| | | | 330pF | ±5% | GCH1555C1H331JE01# | |
| | | | 470pF | ±5% | GCH1555C1H471JE01# | |
| | | | 1000pF | ±5% | GCH1555C1H102JE01# | |

## 1.6×0.8mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | C0G | 1.0pF | ±0.25pF | GCH1885C2A1R0CE01# | |
| | | | 2.0pF | ±0.25pF | GCH1885C2A2R0CE01# | |
| | | | 3.0pF | ±0.25pF | GCH1885C2A3R0CE01# | |
| | | | 4.0pF | ±0.25pF | GCH1885C2A4R0CE01# | |
| | | | 5.0pF | ±0.25pF | GCH1885C2A5R0CE01# | |
| | | | 6.0pF | ±0.5pF | GCH1885C2A6R0DE01# | |
| | | | 7.0pF | ±0.5pF | GCH1885C2A7R0DE01# | |
| | | | 8.0pF | ±0.5pF | GCH1885C2A8R0DE01# | |
| | | | 9.0pF | ±0.5pF | GCH1885C2A9R0DE01# | |
| | | | 10pF | ±5% | GCH1885C2A100JE01# | |
| | | | 15pF | ±5% | GCH1885C2A150JE01# | |
| | | | 22pF | ±5% | GCH1885C2A220JE01# | |
| | | | 33pF | ±5% | GCH1885C2A330JE01# | |
| | | | 47pF | ±5% | GCH1885C2A470JE01# | |
| | | | 68pF | ±5% | GCH1885C2A680JE01# | |
| | | | 100pF | ±5% | GCH1885C2A101JE01# | |
| | | | 150pF | ±5% | GCH1885C2A151JE01# | |
| | | | 220pF | ±5% | GCH1885C2A221JE01# | |
| | | | 330pF | ±5% | GCH1885C2A331JE01# | |
| | | | 470pF | ±5% | GCH1885C2A471JE01# | |
| | | | 680pF | ±5% | GCH1885C2A681JE01# | |
| | | | 1000pF | ±5% | GCH1885C2A102JE01# | |
| | | | 1500pF | ±5% | GCH1885C2A152JE01# | |
| | 50Vdc | C0G | 1.0pF | ±0.25pF | GCH1885C1H1R0CE01# | |
| | | | 2.0pF | ±0.25pF | GCH1885C1H2R0CE01# | |
| | | | 3.0pF | ±0.25pF | GCH1885C1H3R0CE01# | |
| 0.9mm | 50Vdc | C0G | 4.0pF | ±0.25pF | GCH1885C1H4R0CE01# | |
| | | | 5.0pF | ±0.25pF | GCH1885C1H5R0CE01# | |
| | | | 6.0pF | ±0.5pF | GCH1885C1H6R0DE01# | |
| | | | 7.0pF | ±0.5pF | GCH1885C1H7R0DE01# | |
| | | | 8.0pF | ±0.5pF | GCH1885C1H8R0DE01# | |
| | | | 9.0pF | ±0.5pF | GCH1885C1H9R0DE01# | |
| | | | 10pF | ±5% | GCH1885C1H100JE01# | |
| | | | 15pF | ±5% | GCH1885C1H150JE01# | |
| | | | 22pF | ±5% | GCH1885C1H220JE01# | |
| | | | 33pF | ±5% | GCH1885C1H330JE01# | |
| | | | 47pF | ±5% | GCH1885C1H470JE01# | |
| | | | 68pF | ±5% | GCH1885C1H680JE01# | |
| | | | 100pF | ±5% | GCH1885C1H101JE01# | |
| | | | 150pF | ±5% | GCH1885C1H151JE01# | |
| | | | 220pF | ±5% | GCH1885C1H221JE01# | |
| | | | 330pF | ±5% | GCH1885C1H331JE01# | |
| | | | 470pF | ±5% | GCH1885C1H471JE01# | |
| | | | 680pF | ±5% | GCH1885C1H681JE01# | |
| | | | 1000pF | ±5% | GCH1885C1H102JE01# | |
| | | | 1500pF | ±5% | GCH1885C1H152JE01# | |
| | | | 2200pF | ±5% | GCH1885C1H222JE01# | |
| | | | 3300pF | ±5% | GCH1885C1H332JE01# | |

## 2.0×1.25mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.7mm | 100Vdc | C0G | 100pF | ±5% | GCH2165C2A101JE01# | |
| | | | 150pF | ±5% | GCH2165C2A151JE01# | |
| | | | 220pF | ±5% | GCH2165C2A221JE01# | |
| | | | 330pF | ±5% | GCH2165C2A331JE01# | |
| | | | 470pF | ±5% | GCH2165C2A471JE01# | |
| | | | 680pF | ±5% | GCH2165C2A681JE01# | |
| | | | 1000pF | ±5% | GCH2165C2A102JE01# | |
| | | | 1500pF | ±5% | GCH2165C2A152JE01# | |
| | | | 2200pF | ±5% | GCH2165C2A222JE01# | |
| | | | 3300pF | ±5% | GCH2165C2A332JE01# | |
| | 50Vdc | C0G | 1000pF | ±5% | GCH2165C1H102JE01# | |
| | | | 1500pF | ±5% | GCH2165C1H152JE01# | |
| | | | 2200pF | ±5% | GCH2165C1H222JE01# | |
| | | | 3300pF | ±5% | GCH2165C1H332JE01# | |
| | | | 4700pF | ±5% | GCH2165C1H472JE01# | |
| 0.95mm | 50Vdc | C0G | 6800pF | ±5% | GCH2195C1H682JE01# | |
| | | | 10000pF | ±5% | GCH2195C1H103JE01# | |
| | | | 15000pF | ±5% | GCH2195C1H153JE01# | |
| 1.4mm | 50Vdc | C0G | 22000pF | ±5% | GCH21B5C1H223JE01# | |

## 3.2×1.6mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.95mm | 100Vdc | C0G | 2200pF | ±5% | GCH3195C2A222JE01# | |
| | | | 3300pF | ±5% | GCH3195C2A332JE01# | |
| | | | 4700pF | ±5% | GCH3195C2A472JE01# | |

Part number # indicates the package specification code.

# GCH Series Temperature Compensating Type Medical Device Part Number List

**(→ 3.2×1.6mm)**

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.95mm | 100Vdc | C0G | 6800pF | ±5% | **GCH3195C2A682JE01#** | |
| | | | 10000pF | ±5% | **GCH3195C2A103JE01#** | |
| | 50Vdc | C0G | 4700pF | ±5% | **GCH3195C1H472JE01#** | |
| | | | 6800pF | ±5% | **GCH3195C1H682JE01#** | |
| | | | 10000pF | ±5% | **GCH3195C1H103JE01#** | |
| | | | 15000pF | ±5% | **GCH3195C1H153JE01#** | |
| | | | 22000pF | ±5% | **GCH3195C1H223JE01#** | |
| | | | 33000pF | ±5% | **GCH3195C1H333JE01#** | |
| 1.25mm | 50Vdc | C0G | 47000pF | ±5% | **GCH31M5C1H473JE01#** | |

Part number # indicates the package specification code.

# GCH Series High Dielectric Constant Type Medical Device Part Number List

## 1.0×0.5mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.55mm | 100Vdc | X7R | 220pF | ±10% | GCH155R72A221KE01# | |
| | | | 470pF | ±10% | GCH155R72A471KE01# | |
| | | | 1000pF | ±10% | GCH155R72A102KE01# | |
| | | | 2200pF | ±10% | GCH155R72A222KE01# | |
| | | | 4700pF | ±10% | GCH155R72A472KE01# | |
| | 50Vdc | X7R | 220pF | ±10% | GCH155R71H221KE01# | |
| | | | 470pF | ±10% | GCH155R71H471KE01# | |
| | | | 1000pF | ±10% | GCH155R71H102KE01# | |
| | | | 2200pF | ±10% | GCH155R71H222KE01# | |
| | | | 4700pF | ±10% | GCH155R71H472KE01# | |
| | | | 10000pF | ±10% | GCH155R71H103KE01# | |
| | | | 22000pF | ±10% | GCH155R71H223KE01# | |
| | | | 47000pF | ±10% | GCH155R71H473KE01# | |
| | | | 0.10μF | ±10% | GCH155R71H104KE01# | |
| | 25Vdc | X7R | 10000pF | ±10% | GCH155R71E103KE01# | |
| | | | 22000pF | ±10% | GCH155R71E223KE01# | |
| | | | 47000pF | ±10% | GCH155R71E473KE01# | |
| | 16Vdc | X7R | 47000pF | ±10% | GCH155R71C473KE01# | |
| | | | 0.10μF | ±10% | GCH155R71C104KE01# | |
| | | | 0.22μF | ±10% | GCH155R71C224KE01# | |
| | 10Vdc | X7R | 0.10μF | ±10% | GCH155R71A104KE01# | |
| 0.7mm | 10Vdc | X7S | 1.0μF | ±10% | GCH155C71A105KE11# | |

## 1.6×0.8mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.9mm | 100Vdc | X7R | 1000pF | ±10% | GCH188R72A102KE01# | |
| | | | 2200pF | ±10% | GCH188R72A222KE01# | |
| | | | 4700pF | ±10% | GCH188R72A472KE01# | |
| | | | 10000pF | ±10% | GCH188R72A103KE01# | |
| | | | 22000pF | ±10% | GCH188R72A223KE01# | |
| | | | 0.10μF | ±10% | GCH188R72A104KE01# | |
| | 50Vdc | X7R | 1000pF | ±10% | GCH188R71H102KE01# | |
| | | | 2200pF | ±10% | GCH188R71H222KE01# | |
| | | | 4700pF | ±10% | GCH188R71H472KE01# | |
| | | | 10000pF | ±10% | GCH188R71H103KE01# | |
| | | | 22000pF | ±10% | GCH188R71H223KE01# | |
| | | | 47000pF | ±10% | GCH188R71H473KE01# | |
| | | | 0.10μF | ±10% | GCH188R71H104KE01# | |
| | | | 0.22μF | ±10% | GCH188R71H224KE01# | |
| | 25Vdc | X7R | 47000pF | ±10% | GCH188R71E473KE01# | |
| | | | 0.10μF | ±10% | GCH188R71E104KE01# | |
| | | | 0.22μF | ±10% | GCH188R71E224KE01# | |
| | | | 0.47μF | ±10% | GCH188R71E474KE01# | |
| | | | 1.0μF | ±10% | GCH188R71E105KE01# | |
| | 16Vdc | X7R | 0.10μF | ±10% | GCH188R71C104KE01# | |
| | | | 0.47μF | ±10% | GCH188R71C474KE01# | |
| | | | 1.0μF | ±10% | GCH188R71C105KE01# | |
| | 10Vdc | X7S | 2.2μF | ±10% | GCH188C71A225KE01# | |
| | 6.3Vdc | X7R | 2.2μF | ±10% | GCH188R70J225KE01# | |

## 2.0×1.25mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.95mm | 25Vdc | X7R | 0.47μF | ±10% | GCH219R71E474KE01# | |
| | 16Vdc | X7R | 1.0μF | ±10% | GCH219R71C105KE01# | |
| 1.4mm | 100Vdc | X7R | 10000pF | ±10% | GCH21BR72A103KE01# | |
| | | | 22000pF | ±10% | GCH21BR72A223KE01# | |
| | | | 47000pF | ±10% | GCH21BR72A473KE01# | |
| | | | 0.10μF | ±10% | GCH21BR72A104KE01# | |
| | 50Vdc | X7R | 47000pF | ±10% | GCH21BR71H473KE01# | |
| | | | 0.10μF | ±10% | GCH21BR71H104KE01# | |
| | | | 0.22μF | ±10% | GCH21BR71H224KE01# | |
| | | | 0.47μF | ±10% | GCH21BR71H474KE01# | |
| | | | 1.0μF | ±10% | GCH21BR71H105KE01# | |
| | 35Vdc | X7R | 1.0μF | ±10% | GCH21BR7YA105KE01# | |
| | 25Vdc | X7R | 0.22μF | ±10% | GCH21BR71E224KE01# | |
| | | | 1.0μF | ±10% | GCH21BR71E105KE01# | |
| | | | 2.2μF | ±10% | GCH21BR71E225KE01# | |
| | 16Vdc | X7R | 2.2μF | ±10% | GCH21BR71C225KE01# | |
| | | | 4.7μF | ±10% | GCH21BR71C475KE01# | |
| | 10Vdc | X7R | 2.2μF | ±10% | GCH21BR71A225KE01# | |
| | | | 10μF | ±10% | GCH21BR71A106KE01# | |
| | | X7S | 4.7μF | ±10% | GCH21BC71A475KE01# | |
| | 6.3Vdc | X7R | 10μF | ±10% | GCH21BR70J106KE01# | |
| 1.45mm | 100Vdc | X7S | 1.0μF | ±10% | GCH21BC72A105KE11# | |
| | 35Vdc | X7S | 4.7μF | ±10% | GCH21BC7YA475KE11# | |
| | 25Vdc | X7S | 4.7μF | ±10% | GCH21BC71E475KE11# | |

## 3.2×1.6mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 0.95mm | 100Vdc | X7R | 0.10μF | ±10% | GCH319R72A104KE01# | |
| 1.25mm | 100Vdc | X7R | 0.22μF | ±10% | GCH31MR72A224KE01# | |
| | 50Vdc | X7R | 0.47μF | ±10% | GCH31MR71H474KE01# | |
| | | | 1.0μF | ±10% | GCH31MR71H105KE01# | |
| 1.3mm | 25Vdc | X7R | 2.2μF | ±10% | GCH31MR71E225KE01# | |
| 1.8mm | 100Vdc | X7R | 1.0μF | ±10% | GCH31CR72A105KE01# | |
| | 50Vdc | X7R | 2.2μF | ±10% | GCH31CR71H225KE01# | |
| | 25Vdc | X7R | 4.7μF | ±10% | GCH31CR71E475KE01# | |
| | 16Vdc | X7R | 4.7μF | ±10% | GCH31CR71C475KE01# | |
| | | | 10μF | ±10% | GCH31CR71C106KE01# | |
| | 10Vdc | X7R | 10μF | ±10% | GCH31CR71A106KE01# | |

## 3.2×2.5mm

| T max. | Rated Voltage | TC Code | Cap. | Tol. | Part Number | |
|---|---|---|---|---|---|---|
| 2.2mm | 100Vdc | X7R | 2.2μF | ±10% | GCH32DR72A225KE01# | |
| | 25Vdc | X7R | 4.7μF | ±10% | GCH32DR71E475KE01# | |
| | 16Vdc | X7R | 10μF | ±10% | GCH32DR71C106KE01# | |
| 2.7mm | 50Vdc | X7R | 1.0μF | ±10% | GCH32ER71H105KE01# | |
| | | | 4.7μF | ±10% | GCH32ER71H475KE01# | |
| | 10Vdc | X7R | 22μF | ±10% | GCH32ER71A226KE01# | |
| | 6.3Vdc | X7R | 47μF | ±10% | GCH32ER70J476KE01# | |

Part number # indicates the package specification code.

# GRM, GJM, GMA, GMD, GQM, GR3, GRJ, LLA, LLL, LLM, LLR, KRM, KR3 ⚠Caution/Notice

WEB

## ⚠Caution

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# ⚠Caution

## Storage and Operation Conditions

1. The performance of chip monolithic ceramic capacitors may be affected by the storage conditions.
   1-1. Store the capacitors in the following conditions: Room Temperature of +5°C to +40°C and a Relative Humidity of 20% to 70%.
   (1) Sunlight, dust, rapid temperature changes, corrosive gas atmosphere, or high temperature and humidity conditions during storage may affect solderability and packaging performance. Therefore, please maintain the storage temperature and humidity. Use the product within six months, as prolonged storage may cause oxidation of the terminations (outer electrodes).
   (2) Please confirm solderability before using after six months. Store the capacitors without opening the original bag. Even if the storage period is short, do not exceed the specified atmospheric conditions.
   1-2. Corrosive gas can react with the termination (external) electrodes or lead wires of capacitors, and result in poor solderability. Do not store the capacitors in an atmosphere consisting of corrosive gas (e.g., hydrogen sulfide, sulfur dioxide, chlorine, ammonia gas, etc.).
   1-3. Due to moisture condensation caused by rapid humidity changes, or the photochemical change caused by direct sunlight on the terminal electrodes and/or the resin/epoxy coatings, the solderability and electrical performance may deteriorate. Do not store capacitors under direct sunlight or in high humidity conditions.

## Rating

### 1. Temperature Dependent Characteristics

1. The electrical characteristics of a capacitor can change with temperature.
   1-1. For capacitors having larger temperature dependency, the capacitance may change with temperature changes.
   The following actions are recommended in order to ensure suitable capacitance values.
   (1) Select a suitable capacitance for the operating temperature range.
   (2) The capacitance may change within the rated temperature.
   When you use a high dielectric constant type capacitor in a circuit that needs a tight (narrow) capacitance tolerance (e.g., a time-constant circuit), please carefully consider the temperature characteristics, and carefully confirm the various characteristics in actual use conditions and the actual system.

[Example of Temperature Characteristics X7R (R7)]
Sample: 0.1μF, Rated Voltage 50VDC

[Example of Temperature Characteristics X5R (R6)]
Sample: 22μF, Rated Voltage 4VDC

### 2. Measurement of Capacitance

1. Measure capacitance with the voltage and frequency specified in the product specifications.
   1-1. The output voltage of the measuring equipment may decrease occasionally when capacitance is high. Please confirm whether a prescribed measured voltage is impressed to the capacitor.
   1-2. The capacitance values of high dielectric constant type capacitors change depending on the AC voltage applied. Please consider the AC voltage characteristics when selecting a capacitor to be used in an AC circuit.

Continued on the following page.↗

# ⚠Caution

Continued from the preceding page.↘

## 3. Applied Voltage

1. Do not apply a voltage to the capacitor that exceeds the rated voltage as called out in the specifications.
   1-1. Applied voltage between the terminals of a capacitor shall be less than or equal to the rated voltage.
   (1) When AC voltage is superimposed on DC voltage, the zero-to-peak voltage shall not exceed the rated DC voltage.
   When AC voltage or pulse voltage is applied, the peak-to-peak voltage shall not exceed the rated DC voltage.
   (2) Abnormal voltages (surge voltage, static electricity, pulse voltage, etc.) shall not exceed the rated DC voltage.

Typical Voltage Applied to the DC Capacitor

| DC Voltage | DC Voltage+AC | AC Voltage | Pulse Voltage |
|---|---|---|---|
| | | | |

(E: Maximum possible applied voltage.)

   1-2. Influence of over voltage
   Over voltage that is applied to the capacitor may result in an electrical short circuit caused by the breakdown of the internal dielectric layers.
   The time duration until breakdown depends on the applied voltage and the ambient temperature.
2. Use a safety standard certified capacitor in a power supply input circuit (AC filter), as it is also necessary to consider the withstand voltage and impulse withstand voltage defined for each device.

## 4. Type of Applied Voltage and Self-heating Temperature

1. Confirm the operating conditions to make sure that no large current is flowing into the capacitor due to the continuous application of an AC voltage or pulse voltage.
   When a DC rated voltage product is used in an AC voltage circuit or a pulse voltage circuit, the AC current or pulse current will flow into the capacitor; therefore check the self-heating condition.
   Please confirm the surface temperature of the capacitor so that the temperature remains within the upper limits of the operating temperature, including the rise in temperature due to self-heating. When the capacitor is used with a high-frequency voltage or pulse voltage, heat may be generated by dielectric loss.
   <Applicable to Rated Voltage of less than 100VDC>
   1-1. The load should be contained to the level such that when measuring at atmospheric temperature of 25°C, the product's self-heating remains below 20°C and the surface temperature of the capacitor in the actual circuit remains within the maximum operating temperature.

[Example of Temperature Rise (Heat Generation) in Chip Monolithic Ceramic Capacitors in Contrast to Ripple Current]
Sample: R (R1) characteristics 10μF,
Rated voltage: DC10V

Continued on the following page.↗

## ⚠Caution

Continued from the preceding page.↘

<Applicable to Temperature Characteristics X7R (R7), X7T (D7) beyond Rated Voltage of 200VDC>

1-2. The load should be contained so that the self-heating of the capacitor body remains below 20°C, when measuring at an ambient temperature of 25°C. In addition, use a K thermocouple of ø0.1mm with less heat capacity when measuring, and measure in a condition where there is no effect from the radiant heat of other components or air flow caused by convection. Excessive generation of heat may cause deterioration of the characteristics and reliability of the capacitor. (Absolutely do not perform measurements while the cooling fan is operating, as an accurate measurement may not be performed.)

<Applicable to Temperature Characteristics U2J (7U), C0G (5C) beyond Rated Voltage of 200VDC>

1-3. Since the self-heating is low in the low loss series, the allowable power becomes extremely high compared to the common X7R (R7) characteristics.
However, when a load with self-heating of 20°C is applied at the rated voltage, the allowable power may be exceeded. When the capacitor is used in a high-frequency voltage circuit of 1kHz or more, the frequency of the applied voltage should be less than 500kHz sine wave (less than 100kHz for a product with rated voltage of DC3.15kV), to limit the voltage load so that the load remains within the derating shown in the following figure. In the case of non-sine wave, high-frequency components exceeding the fundamental frequency may be included. In such a case, please contact Murata. The excessive generation of heat may cause deterioration of the characteristics and reliability of the capacitor.
(Absolutely do not perform measurements while the cooling fan is operating, as an accurate measurement may not be performed.)

The surface temperature of the capacitor: 125°C or less
(including self-heating)

The sine-wave frequency VS allowable voltage

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# ⚠Caution

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The surface temperature of the capacitor: 125°C or less
(including self-heating)

U2J (7U) char., Rated Voltage: DC200V

U2J (7U) char., Rated Voltage: DC250V

U2J (7U) char., Rated Voltage: DC500V

U2J (7U) char., Rated Voltage: DC630V

U2J (7U) char., Rated Voltage: DC1kV

U2J (7U) char., Rated Voltage: DC2kV

U2J (7U) char., Rated Voltage: DC3.15kV

The sine-wave frequency VS allowable voltage

Continued on the following page.↗

## ⚠Caution

Continued from the preceding page.↘

### 5. DC Voltage and AC Voltage Characteristics

1. The capacitance value of a high dielectric constant type capacitor changes depending on the DC voltage applied. Please consider the DC voltage characteristics when a capacitor is selected for use in a DC circuit.
   1-1. The capacitance of ceramic capacitors may change sharply depending on the applied voltage (see figure). Please confirm the following in order to secure the capacitance.
   (1) Determine whether the capacitance change caused by the applied voltage is within the allowed range.
   (2) In the DC voltage characteristics, the rate of capacitance change becomes larger as voltage increases, even if the applied voltage is below the rated voltage. When a high dielectric constant type capacitor is used in a circuit that requires a tight (narrow) capacitance tolerance (e.g., a time constant circuit), please carefully consider the voltage characteristics, and confirm the various characteristics in the actual operating conditions of the system.

[Example of DC Voltage Characteristics]
Sample: X7R (R7) Characteristics 0.1μF,
Rated Voltage 50VDC

2. The capacitance values of high dielectric constant type capacitors changes depending on the AC voltage applied. Please consider the AC voltage characteristics when selecting a capacitor to be used in an AC circuit.

[Example of AC Voltage Characteristics]
Sample: X7R (R7) Characteristics 10μF,
Rated Voltage 6.3VDC

### 6. Capacitance Aging

1. The high dielectric constant type capacitors have an Aging characteristic in which the capacitance value decreases with the passage of time.
   When you use high dielectric constant type capacitors in a circuit that needs a tight (narrow) capacitance tolerance (e.g., a time-constant circuit), please carefully consider the characteristics of these capacitors, such as their aging, voltage, and temperature characteristics. In addition, check capacitors using your actual appliances at the intended environment and operating conditions.

[Example of Change Over Time (Aging Characteristics)]

Continued on the following page.↗

# ⚠Caution

Continued from the preceding page.↘

### 7. Vibration and Shock

1. Please confirm the kind of vibration and/or shock, its condition, and any generation of resonance.
   Please mount the capacitor so as not to generate resonance, and do not allow any impact on the terminals.
2. Mechanical shock due to being dropped may cause damage or a crack in the dielectric material of the capacitor.
   Do not use a dropped capacitor because the quality and reliability may be deteriorated.

3. When printed circuit boards are piled up or handled, the corner of another printed circuit board should not be allowed to hit the capacitor, in order to avoid a crack or other damage to the capacitor.

## Soldering and Mounting

### 1. Mounting Position

1. Confirm the best mounting position and direction that minimizes the stress imposed on the capacitor during flexing or bending the printed circuit board.
   1-1. Choose a mounting position that minimizes the stress imposed on the chip during flexing or bending of the board.

[Component Direction]

Locate chip horizontal to the direction in which stress acts.

[Chip Mounting Close to Board Separation Point]

It is effective to implement the following measures, to reduce stress in separating the board.
It is best to implement all of the following three measures; however, implement as many measures as possible to reduce stress.

| Contents of Measures | Stress Level |
|---|---|
| (1) Turn the mounting direction of the component parallel to the board separation surface. | A > D *1 |
| (2) Add slits in the board separation part. | A > B |
| (3) Keep the mounting position of the component away from the board separation surface. | A > C |

*1 A > D is valid when stress is added vertically to the perforation as with Hand Separation.
If a Cutting Disc is used, stress will be diagonal to the PCB, therefore A > D is invalid.

[Mounting Capacitors Near Screw Holes]

When a capacitor is mounted near a screw hole, it may be affected by the board deflection that occurs during the tightening of the screw. Mount the capacitor in a position as far away from the screw holes as possible.

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## ⚠Caution

Continued from the preceding page.↘

### 2. Information before Mounting

1. Do not re-use capacitors that were removed from the equipment.
2. Confirm capacitance characteristics under actual applied voltage.
3. Confirm the mechanical stress under actual process and equipment use.
4. Confirm the rated capacitance, rated voltage and other electrical characteristics before assembly.
5. Prior to use, confirm the solderability of capacitors that were in long-term storage.
6. Prior to measuring capacitance, carry out a heat treatment for capacitors that were in long-term storage.
7. The use of Sn-Zn based solder will deteriorate the reliability of the MLCC.
   Please contact our sales representative or product engineers on the use of Sn-Zn based solder in advance.
8. We have also produced a DVD which shows a summary of our recommendations, regarding the precautions for mounting. Please contact our sales representative to request the DVD.

### 3. Maintenance of the Mounting (pick and place) Machine

1. Make sure that the following excessive forces are not applied to the capacitors.
   1-1. In mounting the capacitors on the printed circuit board, any bending force against them shall be kept to a minimum to prevent them from any damage or cracking. Please take into account the following precautions and recommendations for use in your process.
   (1) Adjust the lowest position of the pickup nozzle so as not to bend the printed circuit board.
   (2) Adjust the nozzle pressure within a static load of 1N to 3N during mounting.

2. Dirt particles and dust accumulated between the suction nozzle and the cylinder inner wall prevent the nozzle from moving smoothly. This imposes greater force upon the chip during mounting, causing cracked chips. Also, the locating claw, when worn out, imposes uneven forces on the chip when positioning, causing cracked chips. The suction nozzle and the locating claw must be maintained, checked, and replaced periodically.

<Applicable to ZRB Series>

3. To adjust the inspection tolerance for automated appearance sorting machine of mounting position, because ZRB series are easier to shift the mounting position than standard MLCC.
4. To check the overturn and reverse of chip.
5. To control mounting speed carefully, because ZRB series is heavier than standard MLCC.

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# ⚠Caution

Continued from the preceding page.↘

## 4-1. Reflow Soldering

1. When sudden heat is applied to the components, the mechanical strength of the components will decrease because a sudden temperature change causes deformation inside the components. In order to prevent mechanical damage to the components, preheating is required for both the components and the PCB. Preheating conditions are shown in table 1. It is required to keep the temperature differential between the solder and the components surface (ΔT) as small as possible.
2. When components are immersed in solvent after mounting, be sure to maintain the temperature difference (ΔT) between the component and the solvent within the range shown in table 1.

**Table 1**

| Seies | Chip Dimension Code (L/W) | Temperature Differential |
|---|---|---|
| GRM/GJM/GQM/GR3/GRJ/KRM/LLR | 02/03/15/18/21/31 | ΔT≦190°C |
| LLL | 02/03/15/18/1U/21/31 | |
| ZRB | 15/18 | |
| GR3/GRJ/GRM/KR3/KRM | 32/43/55 | ΔT≦130°C |
| LLA/LLM | 18/21/31 | |
| GQM | 22 | |

**Recommended Conditions**

| | Pb-Sn Solder | Lead Free Solder |
|---|---|---|
| Peak Temperature | 230 to 250°C | 240 to 260°C |
| Atmosphere | Air | Air or $N_2$ |

Pb-Sn Solder: Sn-37Pb
Lead Free Solder: Sn-3.0Ag-0.5Cu

[Standard Conditions for Reflow Soldering]

Temperature
Incase of Lead Free Solder
( ): In case of Pb-Sn Solder

[Allowable Reflow Soldering Temperature and Time]

In the case of repeated soldering, the accumulated soldering time must be within the range shown above.

3. When a capacitor is mounted at a temperature lower than the peak reflow temperature recommended by the solder manufacturer, the following quality problems can occur. Consider factors such as the placement of peripheral components and the reflow temperature setting to prevent the capacitor's reflow temperature from dropping below the peak temperature specified. Be sure to evaluate the mounting situation beforehand and verify that none of the following problems occur.
   - Drop in solder wettability
   - Solder voids
   - Possible occurrence of whiskering
   - Drop in bonding strength
   - Drop in self-alignment properties
   - Possible occurrence of tombstones and/or shifting on the land patterns of the circuit board

**Inverting the PCB**

Make sure not to impose any abnormal mechanical shocks to the PCB.

4. Optimum Solder Amount for Reflow Soldering
   4-1. Overly thick application of solder paste results in a excessive solder fillet height.
   This makes the chip more susceptible to mechanical and thermal stress on the board and may cause the chips to crack.
   4-2. Too little solder paste results in a lack of adhesive strength on the termination, which may result in chips breaking loose from the PCB.
   4-3. Please confirm that solder has been applied smoothly to the termination.

Continued on the following page.↗

## ⚠Caution

Continued from the preceding page.↘

### 4-2. Flow Soldering

1. Do not apply flow soldering to chips not listed in table 2.

**Table 2**

| Seies | Chip Dimension Code (L/W) | Temperature Differential |
|---|---|---|
| GR3/GRM | 18/21/31 | ΔT≦150°C |
| GQM | 18/21 | |
| LLL | 21/31 | |
| GRJ | 18/21/31 | |

2. When sudden heat is applied to the components, the mechanical strength of the components will decrease because a sudden temperature change causes deformation inside the components. In order to prevent mechanical damage to the components, preheating is required for both of the components and the PCB. Preheating conditions are shown in table 2. It is required to keep the temperature differential between the solder and the components surface (ΔT) as low as possible.
3. Excessively long soldering time or high soldering temperature can result in leaching of the terminations, causing poor adhesion or a reduction in capacitance value due to loss of contact between the inner electrodes and terminations.
4. When components are immersed in solvent after mounting, be sure to maintain the temperature differential (ΔT) between the component and solvent within the range shown in the table 2.

**Recommended Conditions**

| | Pb-Sn Solder | Lead Free Solder |
|---|---|---|
| Preheating Peak Temperature | 90 to 110°C | 100 to 120°C |
| Soldering Peak Temperature | 240 to 250°C | 250 to 260°C |
| Atmosphere | Air | Air or $N_2$ |

Pb-Sn Solder: Sn-37Pb
Lead Free Solder: Sn-3.0Ag-0.5Cu

5. Optimum Solder Amount for Flow Soldering
   5-1. The top of the solder fillet should be lower than the thickness of the components. If the solder amount is excessive, the risk of cracking is higher during board bending or any other stressful condition.

[Standard Conditions for Flow Soldering]

[Allowable Flow Soldering Temperature and Time]

In the case of repeated soldering, the accumulated soldering time must be within the range shown above.

Continued on the following page.↗

# ⚠Caution

Continued from the preceding page.↘

### 4-3. Correction of Soldered Portion

When sudden heat is applied to the capacitor, distortion caused by the large temperature difference occurs internally, and can be the cause of cracks. Capacitors also tend to be affected by mechanical and thermal stress depending on the board preheating temperature or the soldering fillet shape, and can be the cause of cracks. Please refer to "1. PCB Design" or "3. Optimum solder amount" for the solder amount and the fillet shapes.
Do not correct with a soldering iron for ZRB series.
Correction with a soldering iron for ZRB series may cause loss suppress acoustic noise, because the solder amount become excessive.

1. Correction with a Soldering Iron
   1-1. In order to reduce damage to the capacitor, be sure to preheat the capacitor and the mounting board. Preheat to the temperature range shown in Table 3. A hot plate, hot air type preheater, etc. can be used for preheating.
   1-2. After soldering, do not allow the component/PCB to cool down rapidly.
   1-3. Perform the corrections with a soldering iron as quickly as possible. If the soldering iron is applied too long, there is a possibility of causing solder leaching on the terminal electrodes, which will cause deterioration of the adhesive strength and other problems.

**Table 3**

| Seies | Chip Dimension Code (L/W) | Temperature of Soldering Iron Tip | Preheating Temperature | Temperature Differential (ΔT) | Atmosphere |
|---|---|---|---|---|---|
| GJM/GQM/GR3/GRJ/GRM | 03/15/18/21/31 | 350°C max. | 150°C min. | ΔT≦190°C | Air |
| GRJ/GRM | 32/43/55 | 280°C max. | 150°C min. | ΔT≦130°C | Air |
| GQM | 22 | | | | |

*Applicable for both Pb-Sn and Lead Free Solder.
Pb-Sn Solder: Sn-37Pb
Lead Free Solder: Sn-3.0Ag-0.5Cu
*Please manage ΔT in the temperature of soldering iron and the preheating temperature.

2. Correction with Spot Heater
   Compared to local heating with a soldering iron, hot air heating by a spot heater heats the overall component and board, therefore, it tends to lessen the thermal shock. In the case of a high density mounted board, a spot heater can also prevent concerns of the soldering iron making direct contact with the component.
   2-1. If the distance from the hot air outlet of the spot heater to the component is too close, cracks may occur due to thermal shock. To prevent this problem, follow the conditions shown in Table 4.
   2-2. In order to create an appropriate solder fillet shape, it is recommended that hot air be applied at the angle shown in Figure 1.

**Table 4**

| | |
|---|---|
| Distance | 5mm or more |
| Hot Air Application Angle | 45° *Figure 1 |
| Hot Air Temperature Nozzle Outlet | 400°C max. |
| Application Time | Less than 10 seconds (1206 (3216 in mm) size or smaller) |
| | Less than 30 seconds (1210 (3225 in mm) size or larger) |

[Figure 1]

3. Optimum solder amount when re-working with a soldering iron
   3-1. If the solder amount is excessive, the risk of cracking is higher during board bending or any other stressful condition.
   Too little solder amount results in a lack of adhesive strength on the termination, which may result in chips breaking loose from the PCB.
   Please confirm that solder has been applied smoothly and rising to the end surface of the chip.

Continued on the following page.↗

## ⚠Caution

Continued from the preceding page.↘

3-2. A soldering iron with a tip of ø3mm or smaller should be used. It is also necessary to keep the soldering iron from touching the components during the re-work.

3-3. Solder wire with ø0.5mm or smaller is required for soldering.

<Applicable to KR3/KRM Series>

4. For the shape of the soldering iron tip, refer to the figure on the right.
Regarding the type of solder, use a wire diameter of ø0.5mm or less (rosin core wire solder).

4-1. How to Apply the Soldering Iron
Apply the tip of the soldering iron against the lower end of the metal terminal.

1) In order to prevent cracking caused by sudden heating of the ceramic device, do not touch the ceramic base directly.

2) In order to prevent deviations and dislocating of the chip, do not touch the junction of the chip and the metal terminal, and the metal portion on the outside directly.

4-2. Appropriate Amount of Solder
The amount of solder for corrections by soldering iron, should be lower than the height of the lower side of the chip.

### 5. Washing

Excessive ultrasonic oscillation during cleaning can cause the PCBs to resonate, resulting in cracked chips or broken solder joints. Take note not to vibrate PCBs.

### 6. Electrical Test on Printed Circuit Board

1. Confirm position of the support pin or specific jig, when inspecting the electrical performance of a capacitor after mounting on the printed circuit board.

1-1. Avoid bending the printed circuit board by the pressure of a test-probe, etc.
The thrusting force of the test probe can flex the PCB, resulting in cracked chips or open solder joints. Provide support pins on the back side of the PCB to prevent warping or flexing. Install support pins as close to the test-probe as possible.

1-2. Avoid vibration of the board by shock when a test-probe contacts a printed circuit board.

### 7. Printed Circuit Board Cropping

1. After mounting a capacitor on a printed circuit board, do not apply any stress to the capacitor that causes bending or twisting the board.

1-1. In cropping the board, the stress as shown at right may cause the capacitor to crack.
Cracked capacitors may cause deterioration of the insulation resistance, and result in a short.
Avoid this type of stress to a capacitor.

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## ⚠Caution

Continued from the preceding page.↘

2. Check the cropping method for the printed circuit board in advance.
   2-1. Printed circuit board cropping shall be carried out by using a jig or an apparatus (Disc separator, router type separator, etc.) to prevent the mechanical stress that can occur to the board.

| Board Separation Method | Hand Separation Nipper Separation | (1) Board Separation Jig | Board Separation Apparatus | |
|---|---|---|---|---|
| | | | (2) Disc Separator | (3) Router Type Separator |
| Level of stress on board | High | Medium | Medium | Low |
| Recommended | × | △* | △* | ○ |
| Notes | Hand and nipper separation apply a high level of stress.<br>Use another method. | · Board handling<br>· Board bending direction<br>· Layout of capacitors | · Board handling<br>· Layout of slits<br>· Design of V groove<br>· Arrangement of blades<br>· Controlling blade life | Board handling |

* When a board separation jig or disc separator is used, if the following precautions are not observed, a large board deflection stress will occur and the capacitors may crack. Use router type separator if at all possible.

(1) Example of a suitable jig
[In the case of Single-side Mounting]
An outline of the board separation jig is shown as follows. Recommended example: Stress on the component mounting position can be minimized by holding the portion close to the jig, and bend in the direction towards the side where the capacitors are mounted. Not recommended example: The risk of cracks occurring in the capacitors increases due to large stress being applied to the component mounting position, if the portion away from the jig is held and bent in the direction opposite the side where the capacitors are mounted.

[Outline of Jig]

**Hand Separation**

| Recommended | Not Recommended |
|---|---|
| | |





[In the case of Double-sided Mounting]
Since components are mounted on both sides of the board, the risk of cracks occurring can not be avoided with the above method.
Therefore, implement the following measures to prevent stress from being applied to the components.

(Measures)
(1) Consider introducing a router type separator.
If it is difficult to introduce a router type separator, implement the following measures. (Refer to item 1. Mounting Position)
(2) Mount the components parallel to the board separation surface.
(3) When mounting components near the board separation point, add slits in the separation position near the component.
(4) Keep the mounting position of the components away from the board separation point.

Continued on the following page.↗

## ⚠Caution

Continued from the preceding page.↘

(2) Example of a Disc Separator

An outline of a disc separator is shown as follows. As shown in the Principle of Operation, the top blade and bottom blade are aligned with the V-grooves on the printed circuit board to separate the board.

In the following case, board deflection stress will be applied and cause cracks in the capacitors.

(1) When the adjustment of the top and bottom blades are misaligned, such as deviating in the top-bottom, left-right or front-rear directions

(2) The angle of the V groove is too low, depth of the V groove is too shallow, or the V groove is misaligned top-bottom

IF V groove is too deep, it is possible to brake when you handle and carry it. Carefully design depth of the V groove with consideration about strength of material of the printed circuit board.

**Disc Separator**

| Recommended | Not Recommended | | |
|---|---|---|---|
| | Top-bottom Misalignment | Left-right Misalignment | Front-rear Misalignment |
| Top Blade / Bottom Blade | Top Blade / Bottom Blade | Top Blade / Bottom Blade | Top Blade / Bottom Blade |

**V-groove Design**

| Example of Recommended V-groove Design | Not Recommended | | | |
|---|---|---|---|---|
| | Left-right Misalignment | Low-Angle | Depth too Shallow | Depth too Deep |
| | | | | |

(3) Example of Router Type Separator

The router type separator performs cutting by a router rotating at a high speed. Since the board does not bend in the cutting process, stress on the board can be suppressed during board separation.

When attaching or removing boards to/from the router type separator, carefully handle the boards to prevent bending.

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# ⚠Caution

Continued from the preceding page.↘

## 8. Assembly

1. Handling

If a board mounted with capacitors is held with one hand, the board may bend. Firmly hold the edges of the board with both hands when handling.
If a board mounted with capacitors is dropped, cracks may occur in the capacitors.
Do not use dropped boards, as there is a possibility that the quality of the capacitors may be impaired.

2. Attachment of Other Components

2-1. Mounting of Other Components

Pay attention to the following items, when mounting other components on the back side of the board after capacitors have been mounted on the opposite side.
When the bottom dead point of the suction nozzle is set too low, board deflection stress may be applied to the capacitors on the back side (bottom side), and cracks may occur in the capacitors.

· After the board is straightened, set the bottom dead point of the nozzle on the upper surface of the board.
· Periodically check and adjust the bottom dead point.

2-2. Inserting Components with Leads into Boards

When inserting components (transformers, IC, etc.) into boards, bending the board may cause cracks in the capacitors or cracks in the solder.
Pay attention to the following.

· Increase the size of the holes to insert the leads, to reduce the stress on the board during insertion.
· Fix the board with support pins or a dedicated jig before insertion.
· Support below the board so that the board does not bend. When using multiple support pins on the board, periodically confirm that there is no difference in the height of each support pin.

2-3. Attaching/Removing Sockets

When the board itself is a connector, the board may bend when a socket is attached or removed. Plan the work so that the board does not bend when a socket is attached or removed.

2-4. Tightening Screws

The board may be bent, when tightening screws, etc. during the attachment of the board to a shield or chassis.
Pay attention to the following items before performing the work.

· Plan the work to prevent the board from bending.
· Use a torque screwdriver, to prevent over-tightening of the screws.
· The board may bend after mounting by reflow soldering, etc. Please note, as stress may be applied to the chips by forcibly flattening the board when tightening the screws.

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## ⚠Caution

Continued from the preceding page.↘

<Applicable to GMA or GMD Series>

**9. Die Bonding/Wire Bonding**

1. Die Bonding of Capacitors
   1-1. Use the following materials for the Brazing alloys:
   Au-Sn (80/20) 300 to 320 °C in $N_2$ atmosphere
   1-2. Mounting
   (1) Control the temperature of the substrate so it matches the temperature of the brazing alloy.
   (2) Place the brazing alloy on the substrate and place the capacitor on the alloy. Hold the capacitor and gently apply the load. Be sure to complete the operation within 1 minute.

2. Wire Bonding
   2-1. Wire
   Gold wire: 25 micro m (0.001 inch) diameter
   2-2. Bonding
   (1) Thermo compression, ultrasonic ball bonding.
   (2) Required stage temperature: 150 to 200 °C
   (3) Required wedge or capillary weight: 0.2N to 0.5N
   (4) Bond the capacitor and base substrate or other devices with gold wire.

## Other

**1. Under Operation of Equipment**

1-1. Do not touch a capacitor directly with bare hands during operation in order to avoid the danger of an electric shock.

1-2. Do not allow the terminals of a capacitor to come in contact with any conductive objects (short-circuit).
Do not expose a capacitor to a conductive liquid, including any acid or alkali solutions.

1-3. Confirm the environment in which the equipment will operate is under the specified conditions.
Do not use the equipment under the following environments.
(1) Being spattered with water or oil.
(2) Being exposed to direct sunlight.
(3) Being exposed to ozone, ultraviolet rays, or radiation.
(4) Being exposed to toxic gas (e.g., hydrogen sulfide, sulfur dioxide, chlorine, ammonia gas, etc.)
(5) Any vibrations or mechanical shocks exceeding the specified limits.
(6) Moisture condensing environments.

1-4. Use damp proof countermeasures if using under any conditions that can cause condensation.

**2. Other**

2-1. In an Emergency
(1) If the equipment should generate smoke, fire, or smell, immediately turn off or unplug the equipment.
If the equipment is not turned off or unplugged, the hazards may be worsened by supplying continuous power.
(2) In this type of situation, do not allow face and hands to come in contact with the capacitor or burns may be caused by the capacitor's high temperature.

2-2. Disposal of Waste
When capacitors are disposed of, they must be burned or buried by an industrial waste vendor with the appropriate licenses.

2-3. Circuit Design
(1) Addition of Fail Safe Function
Capacitors that are cracked by dropping or bending of the board may cause deterioration of the insulation resistance, and result in a short.
If the circuit being used may cause an electrical shock, smoke or fire when a capacitor is shorted, be sure to install fail-safe functions, such as a fuse, to prevent secondary accidents.
(2) Capacitors used to prevent electromagnetic interference in the primary AC side circuit, or as a connection/insulation, must be a safety standard certified product, or satisfy the contents stipulated in the Electrical Appliance and Material Safety Law. Install a fuse for each line in case of a short.
(3) The GJM, GMA, GMD, GQM, GR3, GRJ, GRM, KR3, KRM, LLA, LLL, LLM, LLR and ZRB series are not safety standard certified products.

2-4. Remarks
Failure to follow the cautions may result, worst case, in a short circuit and smoking when the product is used.
The above notices are for standard applications and conditions. Contact us when the products are used in special mounting conditions.
Select optimum conditions for operation as they determine the reliability of the product after assembly.
The data herein are given in typical values, not guaranteed ratings.

# Notice

## Rating

### 1. Operating Temperature

1. The operating temperature limit depends on the capacitor.
   1-1. Do not apply temperatures exceeding the maximum operating temperature.
   It is necessary to select a capacitor with a suitable rated temperature that will cover the operating temperature range.
   It is also necessary to consider the temperature distribution in equipment and the seasonal temperature variable factor.
   1-2. Consider the self-heating factor of the capacitor.
   The surface temperature of the capacitor shall not exceed the maximum operating temperature including self-heating.

### 2. Atmosphere Surroundings (gaseous and liquid)

1. Restriction on the operating environment of capacitors.
   1-1. Capacitors, when used in the above, unsuitable, operating environments may deteriorate due to the corrosion of the terminations and the penetration of moisture into the capacitor.
   1-2. The same phenomenon as the above may occur when the electrodes or terminals of the capacitor are subject to moisture condensation.
   1-3. The deterioration of characteristics and insulation resistance due to the oxidization or corrosion of terminal electrodes may result in breakdown when the capacitor is exposed to corrosive or volatile gases or solvents for long periods of time.

### 3. Piezo-electric Phenomenon

1. When using high dielectric constant type capacitors in AC or pulse circuits, the capacitor itself vibrates at specific frequencies and noise may be generated.
   Moreover, when the mechanical vibration or shock is added to the capacitor, noise may occur.

## Soldering and Mounting

### 1. PCB Design

1. Notice for Pattern Forms
   1-1. Unlike leaded components, chip components are susceptible to flexing stresses since they are mounted directly on the substrate.
   They are also more sensitive to mechanical and thermal stresses than leaded components.
   Excess solder fillet height can multiply these stresses and cause chip cracking. When designing substrates, take land patterns and dimensions into consideration to eliminate the possibility of excess solder fillet height.
   1-2. There is a possibility of chip cracking caused by PCB expansion/contraction with heat, because stress on a chip is different depending on PCB material and structure. When the thermal expansion coefficient greatly differs between the board used for mounting and the chip, it will cause cracking of the chip due to the thermal expansion and contraction.
   When capacitors are mounted on a fluorine resin printed circuit board or on a single-layered glass epoxy board, it may also cause cracking of the chip for the same reason.

**Pattern Forms**

| | Prohibited | Correct |
|---|---|---|
| Placing Close to Chassis | | |
| Placing of Chip Components and Leaded Components | | |
| Placing of Leaded Components after Chip Component | | |
| Lateral Mounting | | |

Continued on the following page.↗

# Notice

Continued from the preceding page.↘

2. Land Dimensions

2-1. Chip capacitors can be cracked due to the stress of PCB bending, etc. if the land area is larger than needed and has an excess amount of solder.
Please refer to the land dimensions in table 1 for flow soldering, table 2 for reflow soldering, table 3 for reflow soldering for ZRB Series, table 4 for reflow soldering for LLA Series, table 5 for reflow soldering for LLM Series.
Please confirm the suitable land dimension by evaluating of the actual SET / PCB.

**Table 1 Flow Soldering Method**

| Seies | Chip Dimension Code (L/W) | Chip (L×W) | a | b | c |
|---|---|---|---|---|---|
| GQM/GR3/GRJ/GRM | 18 | 1.6×0.8 | 0.6 to 1.0 | 0.8 to 0.9 | 0.6 to 0.8 |
| GQM/GR3/GRJ/GRM | 21 | 2.0×1.25 | 1.0 to 1.2 | 0.9 to 1.0 | 0.8 to 1.1 |
| GR3/GRJ/GRM | 31 | 3.2×1.6 | 2.2 to 2.6 | 1.0 to 1.1 | 1.0 to 1.4 |
| LLL | 21 | 1.25×2.0 | 0.4 to 0.7 | 0.5 to 0.7 | 1.4 to 1.8 |
| LLL | 31 | 1.6×3.2 | 0.6 to 1.0 | 0.8 to 0.9 | 2.6 to 2.8 |

Flow soldering can only be used for products with a chip size from 1.6x0.8mm to 3.2x1.6mm.

(in mm)

**Table 2 Reflow Soldering Method**

| Seies | Chip Dimension Code (L/W) | Chip (L×W) | a | b | c |
|---|---|---|---|---|---|
| GJM/GRM | 02 | 0.4×0.2 | 0.16 to 0.2 | 0.12 to 0.18 | 0.2 to 0.23 |
| GJM/GRM | 03 | 0.6×0.3 (±0.03) | 0.2 to 0.25 | 0.2 to 0.3 | 0.25 to 0.35 |
| | | 0.6×0.3 (±0.05) | 0.2 to 0.25 | 0.25 to 0.35 | 0.3 to 0.4 |
| | | 0.6×0.3 (±0.09) | 0.23 to 0.3 | 0.25 to 0.35 | 0.3 to 0.4 |
| GJM/GRM | 15 | 1.0×0.5 (within ±0.10) | 0.3 to 0.5 | 0.35 to 0.45 | 0.4 to 0.6 |
| | | 1.0×0.5 (±0.15/±0.20) | 0.4 to 0.6 | 0.4 to 0.5 | 0.5 to 0.7 |
| GQM/GR3/GRJ/GRM | 18 | 1.6×0.8 (within ±0.10) | 0.6 to 0.8 | 0.6 to 0.7 | 0.6 to 0.8 |
| | | 1.6×0.8 (±0.15/±0.20) | 0.7 to 0.9 | 0.7 to 0.8 | 0.8 to 1.0 |
| GQM | 21 | 2.0×1.25 | 1.0 to 1.2 | 0.6 to 0.7 | 0.8 to 1.1 |
| GR3/GRJ/GRM | 21 | 2.0×1.25 (within ±0.10) | 1.2 | 0.6 | 1.25 |
| | | 2.0×1.25 (±0.15) | 1.2 | 0.6 to 0.8 | 1.2 to 1.4 |
| | | 2.0×1.25 (±0.20) | 1.0 to 1.4 | 0.6 to 0.8 | 1.2 to 1.4 |
| GR3/GRJ/GRM | 31 | 3.2×1.6 (within ±0.20) | 1.8 to 2.0 | 0.9 to 1.2 | 1.5 to 1.7 |
| | | 3.2×1.6 (±0.30) | 1.9 to 2.1 | 1.0 to 1.3 | 1.7 to 1.9 |
| GR3/GRJ/GRM | 32 | 3.2×2.5 | 2.0 to 2.4 | 1.0 to 1.2 | 1.8 to 2.3 |
| GR3/GRJ/GRM | 43 | 4.5×3.2 | 3.0 to 3.5 | 1.2 to 1.4 | 2.3 to 3.0 |
| GR3/GRJ/GRM | 55 | 5.7×5.0 | 4.0 to 4.6 | 1.4 to 1.6 | 3.5 to 4.8 |
| LLL | 15 | 0.5×1.0 | 0.15 to 0.2 | 0.2 to 0.25 | 0.7 to 1.0 |
| LLL | 1U | 0.6×1.0 | 0.20 to 0.25 | 0.25 to 0.35 | 0.7 to 1.0 |
| LLL/LLR | 18 | 0.8×1.6 | 0.2 to 0.3 | 0.3 to 0.4 | 1.4 to 1.6 |
| LLL | 21 | 1.25×2.0 | 0.4 to 0.5 | 0.4 to 0.5 | 1.4 to 1.8 |
| LLL | 31 | 1.6×3.2 | 0.6 to 0.8 | 0.6 to 0.7 | 2.6 to 2.8 |
| GQM | 22 | 2.8×2.8 | 2.2 to 2.5 | 0.8 to 1.0 | 1.9 to 2.3 |

(in mm)

**<Applicable to Part Number KR3/KRM>**

| Seies | Chip Dimension Code (L/W) | Chip (L×W) | a | b | c |
|---|---|---|---|---|---|
| KRM | 21 | 2.0×1.25 | 1.0 to 1.2 | 0.6 to 0.7 | 0.8 to 1.1 |
| KRM | 31 | 3.2×1.6 | 2.2 to 2.4 | 0.8 to 0.9 | 1.0 to 1.4 |
| KR3/KRM | 55 | 5.7×5.0 | 2.6 | 2.7 | 5.6 |

(in mm)

Continued on the following page.↗

# Notice

Continued from the preceding page.↘

## Table 3 ZRB Series Reflow Soldering Method

| Seies | Chip Dimension Code (L/W) | Chip (L×W) | a | b | c |
|---|---|---|---|---|---|
| **ZRB** | **15** | 1.0×0.5 | 0.4 to 0.6 | 0.4 to 0.5 | 0.5 to 0.7 |
| **ZRB** | **18*** | 1.6×0.8 | 0.7 to 0.9 | 0.7 to 0.8 | 0.8 to 1.0 |

(in mm)

*If distance between parts is too short, there is risk to cause electrical short. Please confirm the mounting pitch (distance between centers of parts) has 1.275mm or more. (ZRB18 only)

[Land for ZRB Series]

## Table 4 LLA Series Reflow Soldering Method

| Seies | Chip Dimension Code (L/W) | Chip (L×W) | a | b | c | p |
|---|---|---|---|---|---|---|
| **LLA** | **18** | 1.6×0.8 | 0.3 to 0.4 | 0.25 to 0.35 | 0.15 to 0.25 | 0.4 |
| **LLA** | **21** | 2.0×1.25 | 0.5 to 0.7 | 0.35 to 0.6 | 0.2 to 0.3 | 0.5 |
| **LLA** | **31** | 3.2×1.6 | 0.7 to 0.9 | 0.4 to 0.7 | 0.3 to 0.4 | 0.8 |

(in mm)

## Table 5 LLM Series Reflow Soldering Method

| Seies | Chip Dimension Code (L/W) | Chip (L×W) | a | b, b' | c, c' | d | e | f | p |
|---|---|---|---|---|---|---|---|---|---|
| **LLM** | **21** | 2.0×1.25 | 0.6 to 0.8 | (0.3 to 0.5) | 0.3 | 2.0 to 2.6 | 1.3 to 1.8 | 1.4 to 1.6 | 0.5 |
| **LLM** | **31** | 3.2×1.6 | 1.0 | (0.3 to 0.5) | 0.4 | 3.2 to 3.6 | 1.6 to 2.0 | 2.6 | 0.8 |

b=(c-e)/2, b'=(d-f)/2

(in mm)

[Land for LLA Series]

[Land for LLM Series]

**<Applicable to beyond Rated Voltage of 200VDC>**

2-2. Dimensions of Slit (Example)

Preparing the slit helps flux cleaning and resin coating on the back of the capacitor.
However, the length of the slit design should be as short as possible to prevent mechanical damage in the capacitor.
A longer slit design might receive more severe mechanical stress from the PCB.
Recommended slit design is shown in the Table.

| L×W | d | e |
|---|---|---|
| 1.6×0.8 | – | – |
| 2.0×1.25 | – | – |
| 3.2×1.6 | 1.0 to 2.0 | 3.2 to 3.7 |
| 3.2×2.5 | 1.0 to 2.0 | 4.1 to 4.6 |
| 4.5×2.0 | 1.0 to 2.8 | 3.6 to 4.1 |
| 4.5×3.2 | 1.0 to 2.8 | 4.8 to 5.3 |
| 5.7×2.8 | 1.0 to 4.0 | 4.4 to 4.9 |
| 5.7×5.0 | 1.0 to 4.0 | 6.6 to 7.1 |

(in mm)

Continued on the following page.↗

# Notice

Continued from the preceding page.↘

3. Board Design
When designing the board, keep in mind that the amount of strain which occurs will increase depending on the size and material of the board.

[Relationship with amount of strain to the board thickness, length, width, etc.]

$$\varepsilon = \frac{3PL}{2Ewh^2}$$ Relationship between load and strain

ε: Strain on center of board (μst)
L: Distance between supporting points (mm)
*w*: Board width (mm)
*h*: Board thickness (mm)
*E*: Elastic modulus of board (N/m²=Pa)
Y: Deflection (mm)
P: Load (N)

When the load is constant, the following relationship can be established.
· As the distance between the supporting points (L) increases, the amount of strain also increases.
→Reduce the distance between the supporting points.
· As the elastic modulus (*E*) decreases, the amount of strain increases.
→Increase the elastic modulus.
· As the board width (*w*) decreases, the amount of strain increases.
→Increase the width of the board.
· As the board thickness (*h*) decreases, the amount of strain increases.
→Increase the thickness of the board.
Since the board thickness is squared, the effect on the amount of strain becomes even greater.

## 2. Adhesive Application

1. Thin or insufficient adhesive can cause the chips to loosen or become disconnected during flow soldering.
The amount of adhesive must be more than dimension c, shown in the drawing at right, to obtain the correct bonding strength.
The chip's electrode thickness and land thickness must also be taken into consideration.
2. Low viscosity adhesive can cause chips to slip after mounting. The adhesive must have a viscosity of 5000Pa・s (500ps) min. (at 25°C).
3. Adhesive Coverage

| Size (L×W) (in mm) | Adhesive Coverage* |
|---|---|
| 1.6×0.8 | 0.05mg min. |
| 2.0×1.25 | 0.1mg min. |
| 3.2×1.6 | 0.15mg min. |

*Nominal Value

## 3. Adhesive Curing

1. Insufficient curing of the adhesive can cause chips to disconnect during flow soldering and causes deterioration in the insulation resistance between the terminations due to moisture absorption.
Control curing temperature and time in order to prevent insufficient hardening.

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# Notice

Continued from the preceding page.↘

## 4. Flux for Flow Soldering

1. An excessive amount of flux generates a large quantity of flux gas, which can cause a deterioration of solderability, so apply flux thinly and evenly throughout. (A foaming system is generally used for flow soldering.)
2. Flux containing too high a percentage of halide may cause corrosion of the terminations unless there is sufficient cleaning. Use flux with a halide content of 0.1% max.
3. Do not use strong acidic flux.
4. Do not use water-soluble flux.*
   (*Water-soluble flux can be defined as non-rosin type flux including wash-type flux and non-wash-type flux.)

## 5. Flow Soldering

● Set temperature and time to ensure that leaching of the terminations does not exceed 25% of the chip end area as a single chip (full length of the edge A-B-C-D shown at right) and 25% of the length A-B shown as mounted on substrate.

## 6. Reflow Soldering

The halogen system substance and organic acid are included in solder paste, and a chip corrodes by this kind of solder paste.

Do not use strong acid flux.
Do not use water-soluble flux*.
(*Water-soluble flux can be defined as non-rosin type flux including wash-type flux and non-wash-type flux.)

## 7. Washing

1. Please evaluate the capacitor using actual cleaning equipment and conditions to confirm the quality, and select the solvent for cleaning.
2. Unsuitable cleaning solvent may leave residual flux or other foreign substances, causing deterioration of electrical characteristics and the reliability of the capacitors.
3. Select the proper cleaning conditions.
   3-1. Improper cleaning conditions (excessive or insufficient) may result in deterioration of the performance of the capacitors.

## 8. Coating

1. A crack may be caused in the capacitor due to the stress of the thermal contraction of the resin during curing process.
   The stress is affected by the amount of resin and curing contraction.
   Select a resin with low curing contraction.
   The difference in the thermal expansion coefficient between a coating resin or a molding resin and the capacitor may cause the destruction and deterioration of the capacitor such as a crack or peeling, and lead to the deterioration of insulation resistance or dielectric breakdown.
   Select a resin for which the thermal expansion coefficient is as close to that of the capacitor as possible.
   A silicone resin can be used as an under-coating to buffer against the stress.
2. Select a resin that is less hygroscopic.
   Using hygroscopic resins under high humidity conditions may cause the deterioration of the insulation resistance of a capacitor.
   An epoxy resin can be used as a less hygroscopic resin.
3. The halogen system substance and organic acid are included in coating material, and a chip corrodes by the kind of Coating material.
   Do not use strong acid type.

<Applicable to ZRB Series>

4. Loss suppress acoustic noise may be caused in ZRB series due to the resin during curing process. Please contact our sales representative or product engineers on the apply to resin during curing process.

Continued on the following page.↗

# Notice

Continued from the preceding page.↘

## Other

### 1. Transportation

1. The performance of a capacitor may be affected by the conditions during transportation.
   1-1. The capacitors shall be protected against excessive temperature, humidity, and mechanical force during transportation.
   (1) Climatic condition
   ▪ low air temperature: -40°C
   ▪ change of temperature air/air: -25°C/+25°C
   ▪ low air pressure: 30 kPa
   ▪ change of air pressure: 6 kPa/min.
   (2) Mechanical condition
   Transportation shall be done in such a way that the boxes are not deformed and forces are not directly passed on to the inner packaging.
   1-2. Do not apply excessive vibration, shock, or pressure to the capacitor.
   (1) When excessive mechanical shock or pressure is applied to a capacitor, chipping or cracking may occur in the ceramic body of the capacitor.
   (2) When the sharp edge of an air driver, a soldering iron, tweezers, a chassis, etc. impacts strongly on the surface of the capacitor, the capacitor may crack and short-circuit.
   1-3. Do not use a capacitor to which excessive shock was applied by dropping, etc.
   A capacitor dropped accidentally during processing may be damaged.

### 2. Characteristics Evaluation in the Actual System

1. Evaluate the capacitor in the actual system, to confirm that there is no problem with the performance and specification values in a finished product before using.
2. Since a voltage dependency and temperature dependency exists in the capacitance of high dielectric type ceramic capacitors, the capacitance may change depending on the operating conditions in the actual system. Therefore, be sure to evaluate the various characteristics, such as the leakage current and noise absorptivity, which will affect the capacitance value of the capacitor.
3. In addition, voltages exceeding the predetermined surge may be applied to the capacitor by the inductance in the actual system. Evaluate the surge resistance in the actual system as required.

# NFM ⚠Caution/Notice/Soldering and Mounting

## ⚠Caution

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## Soldering and Mounting

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# ⚠Caution

## Rating

Do not use products beyond the rated current and rated voltage as this may create excessive heat and deteriorate the insulation resistance.

## Soldering and Mounting

1. Self-heating
   Please provide special attention when mounting chip EMIFIL® NFM□□P/K series in close proximity to other products that radiate heat.
   The heat generated by other products may deteriorate the insulation resistance and cause excessive heat in this component.

# Notice

## Storage and Operating Conditions

<Operating Environment>
Do not use products in a chemical atmosphere such as chlorine gas, acid or sulfide gas.
Do not use products in the environment close to the organic solvent.
<Storage and Handling Requirements>
1. Storage Period
   Should be used within 12 months.
   Solderability should be checked if this period is exceeded.
2. Storage Conditions
   (1) Storage temperature: -10 to +40˚C
   Relative humidity: 15 to 85%
   Avoid sudden changes in temperature and humidity.
   (2) Do not store products in a chemical atmosphere such as chlorine gas, acid or sulfide gas.

## Notice (Soldering and Mounting)

1. Cleaning
   Failure and degradation of a product are caused by the cleaning method. When you clean in conditions that are not in mounting information, please contact Murata engineering.
2. Soldering
   Reliability decreases with improper soldering methods. Please solder by the standard soldering conditions shown in mounting information.
3. Points of Attention about NFM Pattern Forms
   The loaded stresses are different to a chip depend on PCB materials and structures.
   When the chip will be mounted on the metal PCB contained alumina material, PCB heat expansion/contraction will be a cause of chip cracks because the coefficients of thermal expressions are different between metal PCB and the chip itself.
   In case of mounting 0402 or smaller size of NFM on single-layered glass epoxy board, chip cracks will be also occurred because of the same reason.
4. Component Mounting: 0402 size or smaller of NFM
   If low bottom dead point of the pick-up nozzle is too low, chip cracks will be occurred because an extra power will be added to the chip during mounting. Therefore, the bottom dead point of pick-up nozzle must be set on/over the upper surface of the PCB. Adjusting is required when the bottom dead point will be set by correcting board warp. It is recommended that using the larger pick-up nozzle than chip length for avoiding what force impact will be centered to the middle point of components. Before assembling, please confirm its mounting accuracy under the best condition.

5. Other
   Noise suppression levels resulting from Murata's EMI suppression filters EMIFIL® may vary, depending on the circuits and ICs used, type of noise, mounting pattern, mounting location, and other operating conditions. Be sure to check and confirm in advance the noise suppression effect of each filter, in actual circuits, etc. before applying the filter in a commercial-purpose equipment design.

## Handling

1. Resin Coating
   Using resin for coating/molding products may affect the products performance.
   So please pay careful attention in selecting resin.
   Prior to use, please make the reliability evaluation with the product mounted in your application set.
2. Handling of a Substrate
   After mounting products on a substrate, do not apply any stress to the product caused by bending or twisting to the substrate when cropping the substrate, inserting and removing a connector from the substrate or tightening screw to the substrate.
   Excessive mechanical stress may cause cracking in the Product.

# Soldering and Mounting

## 1. Standard Land Pattern Dimensions

NFM series suppress noise by conducting the high-frequency noise element to ground. Therefore, to obtain maximum performance from these filters, the ground pattern should be made as large as possible during the PCB design stage. As shown below, one side of the PCB is used for chip mounting, and the other is used for grounding.

Small diameter feedthrough holes are then used to connect the grounds on each side of the PCB. This reduces the high-frequency impedance of the grounding and maximizes the filter's performance.

Land Pattern + Solder Resist
Land Pattern
Solder Resist

(in mm)

**NFM15CC**
**NFM15PC**
**NFM18CC**
**NFM18PC**
**NFM18PS**
**NFM21CC**
**NFM21PC**
**NFM21PS**

● Reflow Soldering

NFM15CC/NFM15PC

NFM18CC/NFM18PC

NFM18PS

NFM21CC/NFM21PC

NFM21PS

Please contact us if using thinner land pad than 18μm.

**NFM3DCC**
**NFM3DPC**
**NFM31PC**
**NFM31KC**
**NFM41CC**
**NFM41PC**

● Reflow Soldering Chip mounting side

NFM3DCC/NFM3DPC/NFM31PC/NFM41CC/NFM41PC

| Part Number | Size (mm) | | | | | | |
|---|---|---|---|---|---|---|---|
| | a | b | c | d | e | f | g |
| **NFM3DCC NFM3DPC** | 1.0 | 1.4 | 2.5 | 4.4 | 1.0 | 2.0 | 2.4 |
| **NFM31PC** | 1.0 | 1.4 | 2.5 | 4.4 | 1.2 | 2.6 | 3.0 |
| **NFM41CC NFM41PC** | 1.5 | 2.0 | 3.5 | 6.0 | 1.2 | 2.6 | 3.0 |

NFM31KC*1

*1 For large current design, width of signal land pattern should be wider not less than 1mm per 1A (1mm/A). For example, in case of 10A, signal land pattern width should be 10mm or more. (1mm/A*10A=10mm)

● Flow Soldering Chip mounting side

| Part Number | Size (mm) | | | | | | |
|---|---|---|---|---|---|---|---|
| | a | b | c | d | e | f | g |
| **NFM3DCC NFM3DPC** | 1.0 | 1.4 | 2.5 | 4.4 | 1.0 | 2.0 | 2.4 |
| **NFM31PC** | 1.0 | 1.4 | 2.5 | 4.4 | 1.2 | 2.6 | 3.0 |
| **NFM41CC NFM41PC** | 1.5 | 2.0 | 3.5 | 6.0 | 1.2 | 2.6 | 3.0 |

NFM31KC*1

*1 For large current design, width of signal land pattern should be wider not less than 1mm per 1A (1mm/A). For example, in case of 10A, signal land pattern width should be 10mm or more. (1mm/A*10A=10mm)

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# Soldering and Mounting

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● PCB Warping
PCB should be designed so that products are not subjected to the mechanical stress caused by warping the board.

Products should be located in the sideways direction (Length: a<b) to the mechanical stress.

Poor example　　Good example

## 2. Solder Paste Printing and Adhesive Application

When reflow soldering the chip EMI suppression filter, the printing must be conducted in accordance with the following cream solder printing conditions.
If too much solder is applied, the chip will be prone to damage by mechanical and thermal stress from the PCB and may crack.
Standard land dimensions should be used for resist and copper foil patterns.

When flow soldering the EMI suppression filter, apply the adhesive in accordance with the following conditions.
If too much adhesive is applied, then it may overflow into the land or termination areas and yield poor solderability.
In contrast, if insufficient adhesive is applied, or if the adhesive is not sufficiently hardened, then the chip may become detached during flow soldering process.

(in mm)

| Series | Solder Paste Printing | Adhesive Application |
|---|---|---|
| **NFM15CC**<br>**NFM15PC**<br>**NFM18CC**<br>**NFM18PC**<br>**NFM18PS**<br>**NFM21CC**<br>**NFM21PC**<br>**NFM21PS**<br>**NFM3DCC**<br>**NFM3DPC**<br>**NFM31PC**<br>**NFM31KC**<br>**NFM41CC**<br>**NFM41PC** | ● Guideline of solder paste thickness:<br>100-150μm: NFM15/18/21/3D/31<br>100-200μm: NFM41<br> <br>NFM15CC/15PC<br>NFM18CC/18PC<br>NFM18PS<br>NFM21CC/21PC<br>NFM21PS<br>NFM3DCC/3DPC<br>NFM31PC/31KC<br>NFM41CC/41PC | ■ NFM3D/31/41 Series<br>Apply 0.1mg for NFM41C/41 and 0.06mg for NFM3D/NFM31 of bonding agent at each chip.<br>Do not cover electrodes.<br> <br>Bonding agent<br>Coating position of bonding agent |

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### 3. Standard Soldering Conditions

(1) Soldering Methods

Use flow and reflow soldering methods only.
Use standard soldering conditions when soldering chip EMI suppression filters.
In cases where several different parts are soldered, each having different soldering conditions, use those conditions requiring the least heat and minimum time.

Solder: Use Sn-3.0Ag-0.5Cu solder. Use of Sn-Zn based solder will deteriorate performance of products.
If using NFM series with Sn-Zn based solder, please contact Murata in advance.

Flux:

- Use Rosin-based flux.
  In case of using RA type solder, products should be cleaned completely with no residual flux.
- Do not use strong acidic flux (with chlorine content exceeding 0.20wt%)
- Do not use water-soluble flux.

For additional mounting methods, please contact Murata.

(2) Soldering Profile

● Flow Soldering Profile
(Sn-3.0Ag-0.5Cu Solder)

| Series | Pre-heating | | Standard Profile | | | Limit Profile | | |
|---|---|---|---|---|---|---|---|---|
| | | | Heating | | Cycle of Flow | Heating | | Cycle of Flow |
| | Temp. (T1) | Time. (t1) | Temp. (T2) | Time. (t2) | | Temp. (T3) | Time. (t2) | |
| **NFM3D/31/41** | 150°C | 60s min. | 250°C | 4 to 6s | 2 times max. | 265±3°C | 5s max. | 2 times max. |

● Reflow Soldering Profile
(Sn-3.0Ag-0.5Cu Solder)

| Series | Standard Profile | | | | Limit Profile | | | |
|---|---|---|---|---|---|---|---|---|
| | Heating | | Peak Temperature (T2) | Cycle of Reflow | Heating | | Peak Temperature (T4) | Cycle of Reflow |
| | Temp. (T1) | Time. (t1) | | | Temp. (T3) | Time. (t2) | | |
| **NFM** | 220°C min. | 30 to 60s | 245±3°C | 2 times max. | 230°C min. | 60s max. | 260°C/10s | 2 times max. |

(3) Reworking with Solder Iron

The following conditions must be strictly followed when using a soldering iron.
Pre-heating: 150°C 60s min.
Soldering iron power output / Tip diameter:
30W max. / ø3mm max.*1
*1 NFM15: 30W max. / ø2mm max.
Temperature of soldering iron tip / Soldering time / Times:
350°C max. / 3-4s / 2 times*2
*2 NFM15: 340°C max. / 3-4s / 1 time

Do not allow the tip of the soldering iron to directly contact the chip.
For additional methods of reworking with a soldering iron, please contact Murata engineering.

Continued on the following page.↗

# Soldering and Mounting

Continued from the preceding page.↘

**4. Cleaning**

Following conditions should be observed when cleaning chip EMI filter.

(1) Cleaning Temperature: 60°C max. (40°C max. for alcohol type cleaner)

(2) Ultrasonic
Output: 20W/liter max.
Duration: 5 minutes max.
Frequency: 28 to 40kHz

(3) Cleaning Agent
The following list of cleaning agents have been tested on the individual components. Evaluation of final assembly should be completed prior to production.

(a) Alcohol cleaning agent
Isopropyl alcohol (IPA)

(b) Aqueous cleaning agent
Pine Alpha ST-100S

(4) Ensure that flux residue is completely removed.
Component should be thoroughly dried after aqueous agent has been removed with deionized water.

# Design Support Tool "SimSurfing"

http://www.murata.com/simsurfing/

## This is the latest tool to get the electrical characteristics for Capacitors, Inductors, and EMI Suppression Filters, and to simulate Thermistors' behavior !

### ■Characteristics viewer

You can easily search and download the following data for Monolithic Ceramic Capacitors, Polymer Capacitors, EMI Suppression Filters (Three-terminal Capacitors, Ferrite Beads) and Power/RF Inductors.

### ■Components performance simulator

You can search by the simulation on simple circuits for Thermistors.

### ■Selection tool

You can select Medium voltage Capacitors and Power Inductors according to conditions of use.
* Medium voltage: Rated Voltage 250V and over

### ■Search tool

You can search the Murata timing device (CERALOCK® and crystal units) that is most suitable for your IC and access information about the recommended circuit constant setting.

If you register as a "my Murata" user (https://my.murata.com/en/web/mymurata/), you can use Enhanced SimSurfing.

## ■ Usage example of "Monolithic Ceramic Capacitors"

### 1 Select the products

(1) By performance/type
(2) By part number

### 2 Show graph

Click each button on each tab of [Basic], [S-parameter] and [Detailed].

### 3 Data download

- Click each purple button in this area.
- Click "CSV output" button.

* Images are as of October 2015. Be assured that this software will be updated frequently.

http://www.murata.com/simsurfing/

# Capacitor Website Introduction

## 1 Search by part number
http://psearch.murata.com/capacitor/partnumber/

The applicable capacitors can be searched by alphanumeric characters.
Although the alternative symbol "#" is used for the package specification code, you can also enter the full package specification code to search the part number including the package specification code.

## 2 Search by specifications
http://psearch.murata.com/capacitor/spec/

Capacitors can be searched by various specifications, such as the capacitance, rated voltage, and temperature characteristics.

**Basic specifications**
Applicable products can be searched by any value and specified range.
To support the entry, the minimum and maximum values of the product applicable to the conditions selected in the other items will be displayed.

**Add detailed specifications**
Setting the conditions particular to the SMD, mold and lead, enables you to search the product with a more detailed specification.

## 3 Search by features
http://psearch.murata.com/capacitor/feature/

The applicable capacitors can be searched by the Shape, Maximum operating temperature, Applications, Benefits, and Mounting.

Select the conditions of the following items to search for a product.
"Shape"
"Maximum operating temperature"
"Applications"
"Benefits"
"Mounting"

## 4 Search in the lineups
## http://psearch.murata.com/capacitor/lineup/

Capacitors applicable to the conditions can be searched from the lineup of each series.

The features and applications of the series can also be checked in the Series page.

Capacitance chart in Series page

## 5 Cross reference
## http://cross-reference.murata.com/capacitor/crossreference/index.cfm

The Murata part number applicable to the assumed specification can be searched by the competitor's part number of the chip monolithic ceramic capacitors.

## [Search result]

NEW

It is possible to characteristic comparison.

The number of cases applicable to the current search conditions is always displayed in real time.

Click each search condition button to display the menu. The search results will change in real time with the selected conditions.

Clicking the "Current search conditions" opens a menu, and the current narrowed down conditions can be checked.

The results can be sorted by clicking the ▲ button of the search results items.

Clicking the product name opens the details page, and more detailed information can be acquired.

Detailed specifications sheet can be downloaded without opening the details page.

The icons clearly indicate the status and the features of the product.

# Global Locations

For details please visit www.murata.com

## ⚠Note

**1 Export Control**

*For customers outside Japan:*

No Murata products should be used or sold, through any channels, for use in the design, development, production, utilization, maintenance or operation of, or otherwise contribution to (1) any weapons (Weapons of Mass Destruction [nuclear, chemical or biological weapons or missiles] or conventional weapons) or (2) goods or systems specially designed or intended for military end-use or utilization by military end-users.

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For products which are controlled items subject to the "Foreign Exchange and Foreign Trade Law" of Japan, the export license specified by the law is required for export.

**2** Please contact our sales representatives or product engineers before using the products in this catalog for the applications listed below, which require especially high reliability for the prevention of defects which might directly damage a third party's life, body or property, or when one of our products is intended for use in applications other than those specified in this catalog.

1. *Aircraft equipment*
2. *Aerospace equipment*
3. *Undersea equipment*
4. *Power plant equipment*
5. *Medical equipment*
6. *Transportation equipment (vehicles, trains, ships, etc.)*
7. *Traffic signal equipment*
8. *Disaster prevention / crime prevention equipment*
9. *Data-processing equipment*
10. *Application of similar complexity and/or reliability requirements to the applications listed above*

**3** Product specifications in this catalog are as of August 2016. They are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering. If there are any questions, please contact our sales representatives or product engineers.

**4** Please read rating and ⚠CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.

**5** This catalog has only typical specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

**6** Please note that unless otherwise specified, we shall assume no responsibility whatsoever for any conflict or dispute that may occur in connection with the effect of our and/or a third party's intellectual property rights and other related rights in consideration of your use of our products and/or information described or contained in our catalogs. In this connection, no representation shall be made to the effect that any third parties are authorized to use the rights mentioned above under licenses without our consent.

**7** No ozone depleting substances (ODS) under the Montreal Protocol are used in our manufacturing process.

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INNOVATOR IN ELECTRONICS

# Mouser Electronics

Authorized Distributor

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