

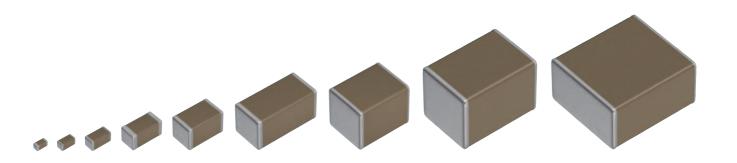
MULTILAYER CERAMIC CHIP CAPACITORS

Commercial grade, general (Up to 75V)

C series

| C0402 | [01005 inch] |
|-------|--------------|
| C0603 | [0201 inch] |
| C1005 | [0402 inch] |
| C1608 | [0603 inch] |
| C2012 | [0805 inch] |
| C3216 | [1206 inch] |
| C3225 | [1210 inch] |
| C4532 | [1812 inch] |
| C5750 | [2220 inch] |
| | |

^{*} Dimensions code: JIS[EIA]





REMINDERS FOR USING THESE PRODUCTS

Before using these products, be sure to request the delivery specifications.

SAFETY REMINDERS

Please pay sufficient attention to the warnings for safe designing when using this products.



REMINDERS

1. The products listed on this catalog are intended for use in general electronic equipment (AV equipment, telecommunications equipment, home appliances, amusement equipment, computer equipment, personal equipment, office equipment, measurement equipment, industrial robots) under a normal operation and use condition.

The products are not designed or warranted to meet the requirements of the applications listed below, whose performance and/or quality require a more stringent level of safety or reliability, or whose failure, malfunction or trouble could cause serious damage to society, person or property.

If you intend to use the products in the applications listed below or if you have special requirements exceeding the range or conditions set forth in the each catalog, please contact us.

- (1) Aerospace/aviation equipment
- (2) Transportation equipment (cars, electric trains, ships, etc.)
- (3) Medical equipment (excepting Pharmaceutical Affairs Law classification Class1,2)
- (4) Power-generation control equipment
- (5) Atomic energy-related equipment
- (6) Seabed equipment
- (7) Transportation control equipment

- (8) Public information-processing equipment
- (9) Military equipment
- (10) Electric heating apparatus, burning equipment
- (11) Disaster prevention/crime prevention equipment
- (12) Safety equipment
- (13) Other applications that are not considered general-purpose applications

When designing your equipment even for general-purpose applications, you are kindly requested to take into consideration securing protection circuit/device or providing backup circuits in your equipment.

- 2. We may modify products or discontinue production of a product listed in this catalog without prior notification.
- 3. We provide "Delivery Specification" that explain precautions for the specifications and safety of each product listed in this catalog. We strongly recommend that you exchange these delivery specifications with customers that use one of these products.
- 4. If you plan to export a product listed in this catalog, keep in mind that it may be a restricted item according to the "Foreign Exchange and Foreign Trade Control Law". In such cases, it is necessary to acquire export permission in harmony with this law.
- 5. Any reproduction or transferring of the contents of this catalog is prohibited without prior permission from our company.
- 6. We are not responsible for problems that occur related to the intellectual property rights or other rights of our company or a third party when you use a product listed in this catalog. We do not grant license of these rights.
- 7. This catalog only applies to products purchased through our company or one of our company's official agencies. This catalog does not apply to products that are purchased through other third parties.

Notice: Effective January 2013, TDK will use a new catalog number which adds product thickness and packaging specification detail. This new catalog number should be referenced on all catalog orders going forward, and is not applicable for OEM part number orders.

Please be aware the last five digits of the catalog number will differ from the item description (internal control number) on the product label.

Contact your local TDK Sales representative for more information.

(Example)

| Catalog issued date | Catalog number | Item description (on delivery label) |
|------------------------|-----------------------|--------------------------------------|
| Prior to January 2013 | C1608C0G1E103J(080AA) | C1608C0G1E103JT000N |
| January 2013 and later | C1608C0G1E103J080AA | C1608C0G1E103JT000N |



Dimensions in mm

C series

General (Up to 75V)





SERIES OVERVIEW

TDK multilayer ceramic chip capacitor C series is a product for surface mount which multiple sheets of dielectric and conductive material are layered alternately. The monolithic structure ensures superior mechanical strength and reliability.

C3216 [1206 inch], C3225 [1210 inch], C4532 [1812 inch], C5750 [2220 inch]

Also the lower ESR, ESL and better frequency characteristics are offered by the simple structure than other capacitors. The capacitance range is up to 100uF and the line-up has been expanding to the region of the film capacitor or electrolytic capacitor.

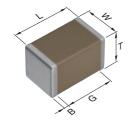
FEATURES

- The superior mechanical strength and reliability due to the monolithic structure.
- Low ESR, ESL and excellent frequency characteristics allow for a circuit design that closely conforms to theoretical values.
- Low self-heating and high ripple resistance due to low ESR.
- No polarity.

APPLICATIONS

- · general electronic equipment
- · mobile devices
- · Servers, PCs, tablets
- · Power supply circuit

SHAPE & DIMENSIONS



| L | Body length |
|---|------------------|
| W | Body width |
| Т | Body height |
| В | Terminal width |
| G | Terminal spacing |

| Туре | L | W | Т | В | G |
|-------|-----------|-----------|-----------|-----------|-----------|
| C0402 | 0.40±0.02 | 0.20±0.02 | 0.20±0.02 | 0.07 min. | 0.14 min. |
| C0603 | 0.60±0.03 | 0.30±0.03 | 0.30±0.03 | 0.10 min. | 0.20 min. |
| C1005 | 1.00±0.05 | 0.50±0.05 | 0.50±0.05 | 0.10 min. | 0.30 min. |
| C1608 | 1.60±0.10 | 0.80±0.10 | 0.80±0.10 | 0.20 min. | 0.30 min. |
| C2012 | 2.00±0.20 | 1.25±0.20 | 1.25±0.20 | 0.20 min. | 0.50 min. |
| C3216 | 3.20±0.20 | 1.60±0.20 | 1.60±0.20 | 0.20 min. | 1.00 min. |
| C3225 | 3.20±0.40 | 2.50±0.30 | 2.50±0.30 | 0.20 min. | |
| C4532 | 4.50±0.40 | 3.20±0.40 | 3.20±0.40 | 0.20 min. | _ |
| C5750 | 5.70±0.40 | 5.00±0.40 | 2.80±0.30 | 0.20 min. | |
| | | | | | |

^{*}Dimensional tolerances are typical values.

MULTILAYER CERAMIC CHIP CAPACITORS



CATALOG NUMBER CONSTRUCTION

| С | 3216 | X5R | 1 A | 107 | M | 160 | Α | С | |
|-----|------|-----|------------|-----|-----|-----|-----|-----|--|
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | |

(1) Series

(2) Dimensions L x W (mm)

| Code | EIA | Length | Width | Terminal width |
|------|---------|--------|-------|----------------|
| 0402 | CC01005 | 0.40 | 0.20 | 0.07 |
| 0603 | CC0201 | 0.60 | 0.30 | 0.10 |
| 1005 | CC0402 | 1.00 | 0.50 | 0.10 |
| 1608 | CC0603 | 1.60 | 0.80 | 0.20 |
| 2012 | CC0805 | 2.00 | 1.25 | 0.20 |
| 3216 | CC1206 | 3.20 | 1.60 | 0.20 |
| 3225 | CC1210 | 3.20 | 2.50 | 0.20 |
| 4532 | CC1812 | 4.50 | 3.20 | 0.20 |
| 5750 | CC2220 | 5.70 | 5.00 | 0.20 |
| | | | | |

(3) Temperature characteristics

| Temperature characteristics | Temperature coefficient or capacitance change | Temperature range |
|-----------------------------|---|-------------------|
| CH | 0±60 ppm/°C | –25 to +85°C |
| C0G | 0±30 ppm/°C | −55 to +125°C |
| JB | ±10% | –25 to +85°C |
| X5R | ±15% | −55 to +85°C |
| X6S | ±22% | −55 to +105°C |
| X7R | ±15% | −55 to +125°C |
| X7S | ±22% | −55 to +125°C |

(4) Rated voltage (DC)

| Code | Voltage (DC) |
|------|--------------|
| 0G | 4V |
| 0J | 6.3V |
| 1A | 10V |
| 1C | 16V |
| 1E | 25V |
| 1V | 35V |
| 1H | 50V |
| 1N | 75V |
| | |

(5) Nominal capacitance (pF)

The capacitance is expressed in three digit codes and in units of pico Farads (pF). The first and second digits identify the first and second significant figures of the capacitance. The third digit identifies the multiplier. R designates a decimal point.

(Example)0R5 = 0.5pF 101 = 100pF $225 = 2,200,000pF = 2.2\mu F$

(6) Capacitance tolerance

| Code | Tolerance |
|------|-----------|
| В | ±0.10pF |
| С | ±0.25pF |
| D | ±0.50pF |
| F | ±1% |
| G | ±2% |
| J | ±5% |
| K | ±10% |
| M | ±20% |

(7) Thickness

| Code | Thickness |
|------|-----------|
| 020 | 0.20 mm |
| 030 | 0.30 mm |
| 050 | 0.50 mm |
| 060 | 0.60 mm |
| 080 | 0.80 mm |
| 085 | 0.85 mm |
| 115 | 1.15 mm |
| 125 | 1.25 mm |
| 130 | 1.30 mm |
| 160 | 1.60 mm |
| 200 | 2.00 mm |
| 230 | 2.30 mm |
| 250 | 2.50 mm |
| 280 | 2.80 mm |
| 320 | 3.20 mm |
| | |

(8) Packaging style

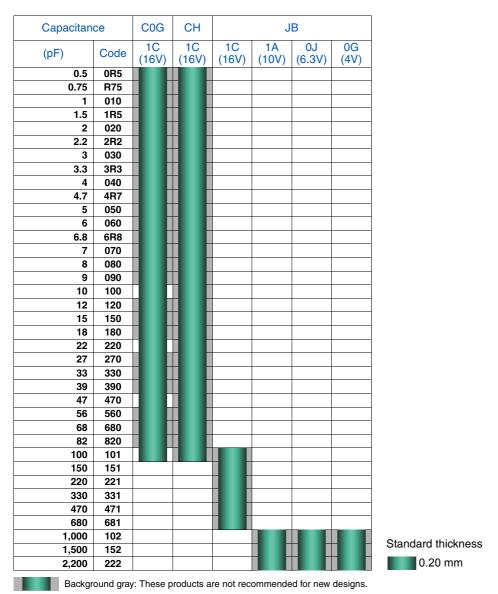
| Code | Style | |
|------|-----------------------|--|
| A | 178mm reel, 4mm pitch | |
| В | 178mm reel, 2mm pitch | |
| K | 178mm reel, 8mm pitch | |

(9) Special reserved code

| Code | Description | |
|---------|-------------------|--|
| A, B, C | TDK internal code | |



C0402 [01005 inch]

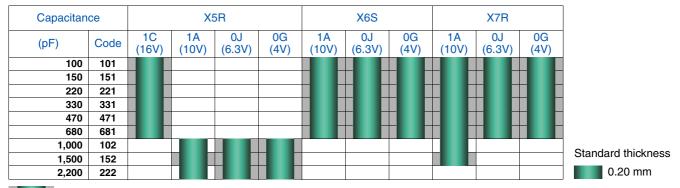


■ For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.

Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.



C0402 [01005 inch]

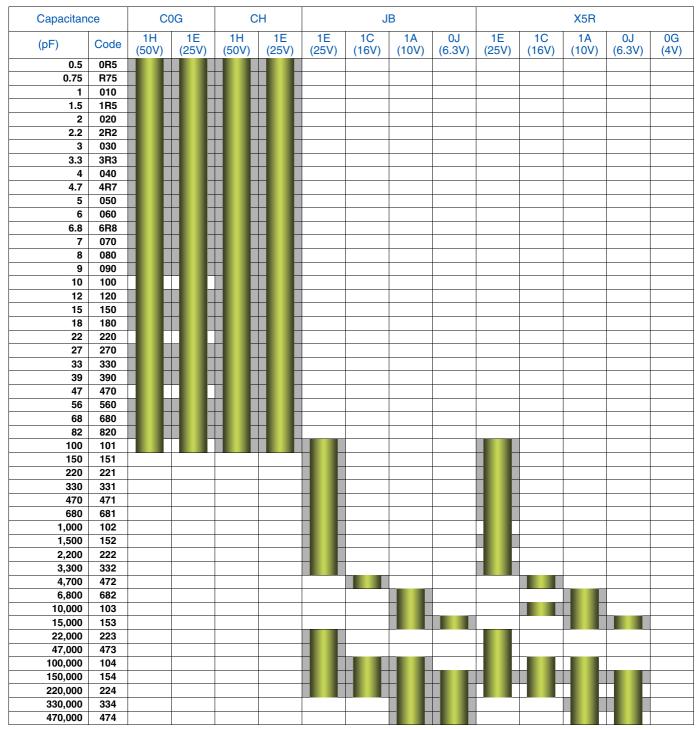


Background gray: These products are not recommended for new designs.

[■] For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C0603 [0201 inch]



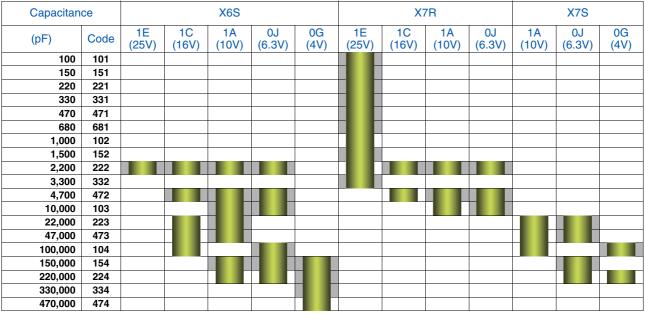
Standard thickness 0.30 mm

Background gray: These products are not recommended for new designs.

[■]For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C0603 [0201 inch]



Standard thickness

0.30 mm

Background gray: These products are not recommended for new designs.

For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C1005 [0402 inch]

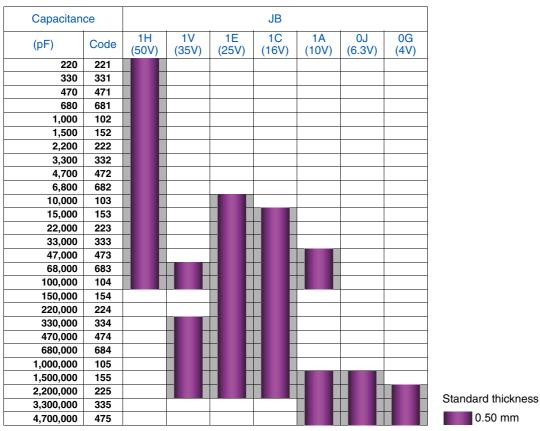
| Capacitan | ce | C | OG | СН | |
|-----------|------|-------------|-------------|-------------|-----------------|
| (pF) | Code | 1H (50V) | 1E (25V) | 1H (50V) | |
| 0.5 | 0R5 | | , , | | |
| 0.75 | R75 | | | | |
| 1 | 010 | | | | |
| 1.5 | 1R5 | | | | |
| 2 | 020 | | | | |
| 3 | 030 | | | | |
| 4 | 040 | | | | |
| 5 | 050 | | | | |
| 6 | 060 | | | | |
| 7 | 070 | | | | |
| 8 | 080 | | | | |
| 9 | 090 | | | | |
| 10 | 100 | | | | |
| 12 | 120 | | | | |
| 15 | 150 | | | | |
| 18 | 180 | | | | |
| 22 | 220 | | | | |
| 27 | 270 | | | | |
| 33 | 330 | | | | |
| 39 | 390 | | | | |
| 47 | 470 | | | | |
| 56 | 560 | | | | |
| 68 | 680 | | | | |
| 82 | 820 | | | | |
| 100 | 101 | | | | |
| 120 | 121 | | | | |
| 150 | 151 | | | | |
| 180 | 181 | | | | |
| 220 | 221 | | | | |
| 270 | 271 | | | | |
| 330 | 331 | | | | |
| 390 | 391 | | | | |
| 470 | 471 | | | | |
| 560 | 561 | | | | |
| 680 | 681 | | | | Standard thickr |
| 820 | 821 | | | | |
| 1,000 | 102 | | | | 0.50 mm |

Background gray: These products are not recommended for new designs.

[■]For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C1005 [0402 inch]



Background gray: These products are not recommended for new designs.

■For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C1005 [0402 inch]

| Capacitan | ce | | | | X5R | | | |
|-----------|------|-------------|-------------|-------------|-------------|-------------|--------------|------------|
| (pF) | Code | 1H (50V) | 1V (35V) | 1E (25V) | 1C (16V) | 1A (10V) | 0J (6.3V) | 0G (4V) |
| 220 | 221 | | | | | | | |
| 330 | 331 | | | | | | | |
| 470 | 471 | | | | | | | |
| 680 | 681 | | | | | | | |
| 1,000 | 102 | | | | | | | |
| 1,500 | 152 | | | | | | | |
| 2,200 | 222 | | | | | | | |
| 3,300 | 332 | | | | | | | |
| 4,700 | 472 | | | | | | | |
| 6,800 | 682 | | | | | | | |
| 10,000 | 103 | | | | | | | |
| 15,000 | 153 | | | | | | | |
| 22,000 | 223 | | | | | | | |
| 33,000 | 333 | | | | | | | |
| 47,000 | 473 | | | | | | | |
| 68,000 | 683 | | | | | | | |
| 100,000 | 104 | | | | | | | |
| 150,000 | 154 | | | | | | | |
| 220,000 | 224 | | | | | | | |
| 330,000 | 334 | | | | | | | |
| 470,000 | 474 | | | | | | | |
| 680,000 | 684 | | | | | | | |
| 1,000,000 | 105 | | | | | | | |
| 1,500,000 | 155 | | | | | | | |
| 2,200,000 | 225 | | | | | | | |
| 3,300,000 | 335 | | | | | | | |
| 4,700,000 | 475 | | | | | | | |

Standard thickness 0.50 mm

| Capacitan | ce | | | | X6S | | | |
|-----------|------|-------------|-------------|-------------|-------------|-------------|--------------|------------|
| (pF) | Code | 1H (50V) | 1V (35V) | 1E (25V) | 1C (16V) | 1A (10V) | 0J (6.3V) | 0G (4V) |
| 10,000 | 103 | | | | | | | |
| 15,000 | 153 | | | | | | | |
| 22,000 | 223 | | | | | | | |
| 33,000 | 333 | | | | | | | |
| 47,000 | 473 | | | | | | | |
| 68,000 | 683 | | | | | | | |
| 100,000 | 104 | | | | | | | |
| 150,000 | 154 | | | | | | | |
| 220,000 | 224 | | | | | | | |
| 330,000 | 334 | | | | | | | |
| 470,000 | 474 | | | | | | | |
| 680,000 | 684 | | | | | | | |
| 1,000,000 | 105 | | | | | | | |
| 1,500,000 | 155 | | | | | | | |
| 2,200,000 | 225 | | | | | | | |
| 3,300,000 | 335 | | | | | | | |
| 4,700,000 | 475 | | | | | | | |

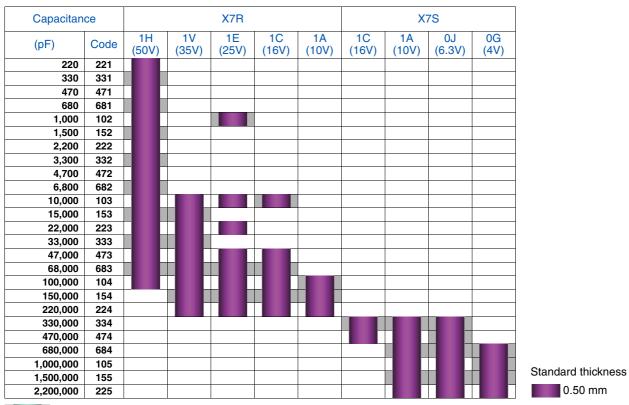
Standard thickness 0.50 mm

Background gray: These products are not recommended for new designs.

■ For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C1005 [0402 inch]

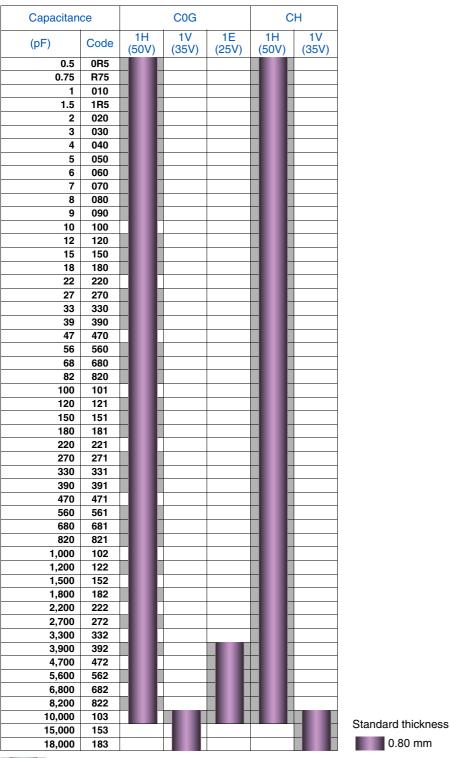


Background gray: These products are not recommended for new designs.

[■]For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C1608 [0603 inch]

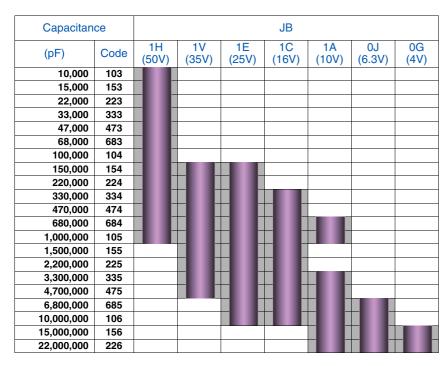


Background gray: These products are not recommended for new designs.

[■]For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C1608 [0603 inch]



Standard thickness 0.80 mm

| Capacitan | ce | | | | X5R | | | |
|------------|------|-------------|-------------|-------------|-------------|-------------|--------------|------------|
| (pF) | Code | 1H (50V) | 1V (35V) | 1E (25V) | 1C (16V) | 1A (10V) | 0J (6.3V) | 0G (4V) |
| 1,000 | 102 | | | | | | | |
| 2,200 | 222 | | | | | | | |
| 4,700 | 472 | | | | | | | |
| 10,000 | 103 | | | | | | | |
| 15,000 | 153 | | | | | | | |
| 22,000 | 223 | | | | | | | |
| 33,000 | 333 | | | | | | | |
| 47,000 | 473 | | | | | | | |
| 68,000 | 683 | | | | | | | |
| 100,000 | 104 | | | | | | | |
| 150,000 | 154 | | | | | | | |
| 220,000 | 224 | _ | | | | | | |
| 330,000 | 334 | | | | | | | |
| 470,000 | 474 | | | | | | | |
| 680,000 | 684 | | | | | | | |
| 1,000,000 | 105 | | | | | | | |
| 1,500,000 | 155 | | | | | | | |
| 2,200,000 | 225 | | _ | | | | | |
| 3,300,000 | 335 | | | | | | | |
| 4,700,000 | 475 | | | | | | | |
| 6,800,000 | 685 | | | | | | | |
| 10,000,000 | 106 | | | | | | | |
| 15,000,000 | 156 | | | | | | | |
| 22,000,000 | 226 | | | | | | | |

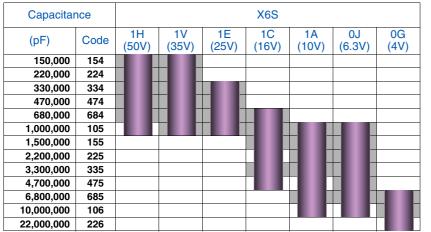
Standard thickness 0.80 mm

Background gray: These products are not recommended for new designs.

■For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C1608 [0603 inch]



Standard thickness 0.80 mm

| Capacitar | ice | | | X | 7R | | | | X | 7S | |
|-----------|------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|--------------|------------|
| (pF) | Code | 1H (50V) | 1V (35V) | 1E (25V) | 1C (16V) | 1A (10V) | 0J (6.3V) | 1C (16V) | 1A (10V) | 0J (6.3V) | 0G (4V) |
| 1,000 | 102 | | | | | | | | | | |
| 2,200 | 222 | _ | | | | | | | | | |
| 4,700 | 472 | | | | | | | | | | |
| 10,000 | 103 | | | | | | | | | | |
| 15,000 | 153 | | | | | | | | | | |
| 22,000 | 223 | | | | | | | | | | |
| 33,000 | 333 | | | | | | | | | | |
| 47,000 | 473 | | | | | | | | | | |
| 68,000 | 683 | | | | | | | | | | |
| 100,000 | 104 | _ | | | | | | | | | |
| 150,000 | 154 | | | | | | | | | | |
| 220,000 | 224 | | | | | | | | | | |
| 330,000 | 334 | | | | | | | | | | |
| 470,000 | 474 | | | | | | | | | | |
| 680,000 | 684 | | | | | | | | | | |
| 1,000,000 | 105 | | | | | | | | | | |
| 1,500,000 | 155 | | | | | | | | | | |
| 2,200,000 | 225 | | | | | | | | | | |
| 3,300,000 | 335 | | | | | | | | | | |
| 4,700,000 | 475 | | | | | | | | | | |
| 6,800,000 | 685 | | | | | | | | | | |
| 0,000,000 | 106 | | | | | | | | | | |

Background gray: These products are not recommended for new designs.

■For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.

thickness



C2012 [0805 inch]



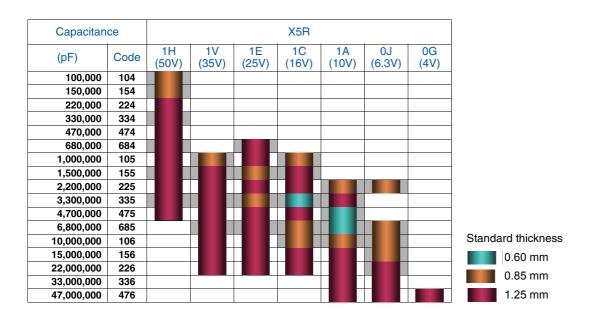
Background gray: These products are not recommended for new designs.

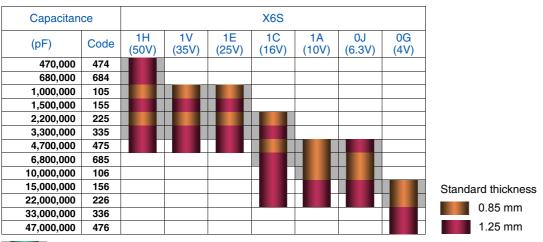
Background red: The products which are planning to stop production.

For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C2012 [0805 inch]





Background gray: These products are not recommended for new designs.

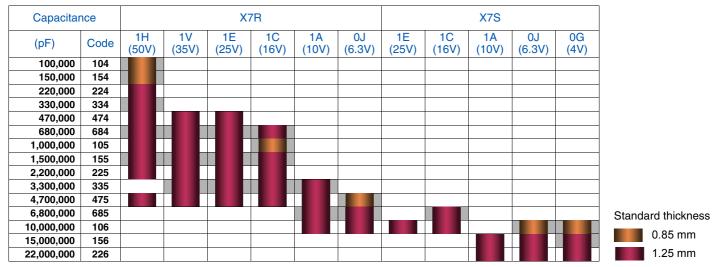
[■] For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.

MULTILAYER CERAMIC CHIP CAPACITORS



Capacitance range chart

C2012 [0805 inch]

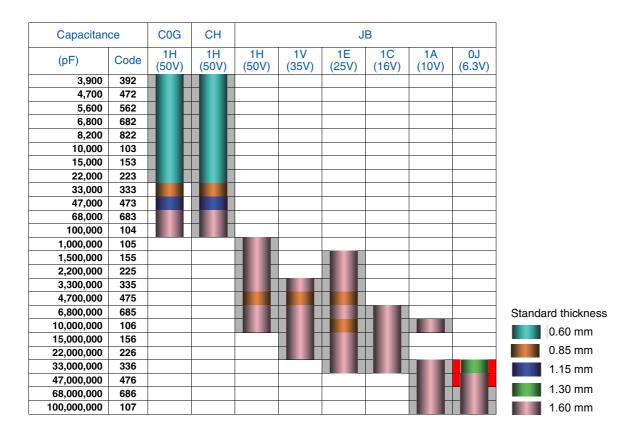


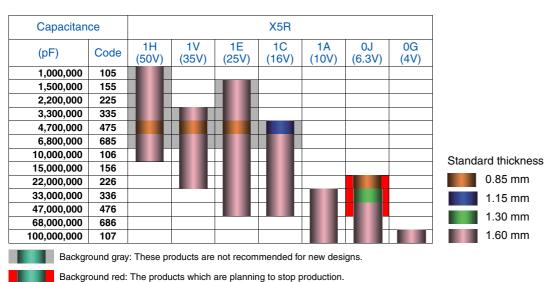
Background gray: These products are not recommended for new designs.

■ For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C3216 [1206 inch]

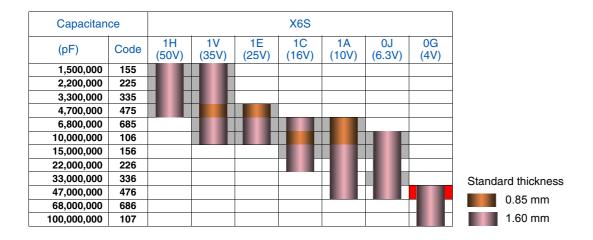


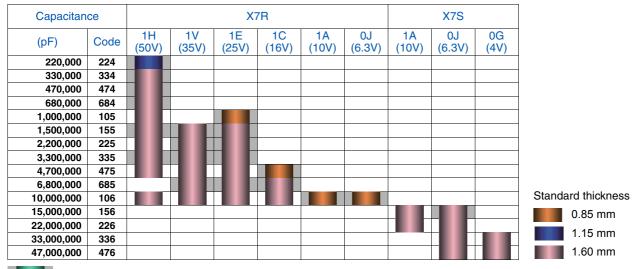


[■] For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C3216 [1206 inch]





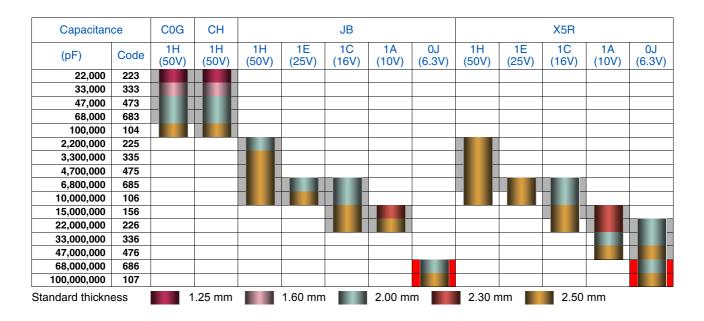
Background gray: These products are not recommended for new designs.

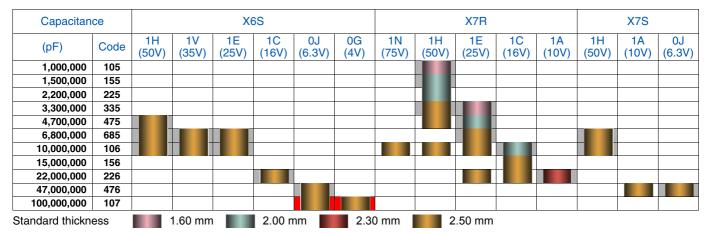
Background red: The products which are planning to stop production.

For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C3225 [1210 inch]





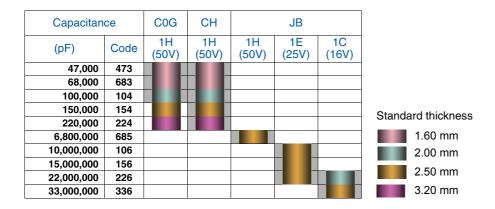
Background gray: These products are not recommended for new designs.

Background red: The products which are planning to stop production.

■ For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C4532 [1812 inch]



| Capacitan | ice | | X5R | | | | X6S X7R | | | |
|-------------|------|-------------|-------------|-------------|-------------|--------------|--------------|-------------|-------------|-------------|
| (pF) | Code | 1H (50V) | 1E (25V) | 1C (16V) | 1A (10V) | 0J (6.3V) | 0J (6.3V) | 1H (50V) | 1E (25V) | 1C (16V) |
| 1,000,000 | 105 | | | | | | | | | |
| 2,200,000 | 225 | | | | | | | | | |
| 3,300,000 | 335 | | | | | | | | | |
| 4,700,000 | 475 | | | | | | | | | |
| 6,800,000 | 685 | | | | | | | | | |
| 10,000,000 | 106 | | | | | | | | | |
| 15,000,000 | 156 | | | | | | | | | |
| 22,000,000 | 226 | | | | | | | | | |
| 33,000,000 | 336 | | | | | | | | | |
| 47,000,000 | 476 | | | | | | | | | |
| 68,000,000 | 686 | | | | | | | | | |
| 100,000,000 | 107 | | | | | | | | | |

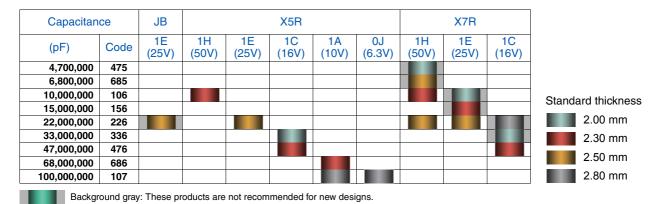


Background gray: These products are not recommended for new designs.

■For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



C5750 [2220 inch]



[■] For details such as the catalog numbers, please refer to the Capacitance range table on page 24 and after.



| Capacitance | Dimensions | Thickness | Capacitance _ | Catalog number | | |
|---------------|------------|---------------|--------------------|------------------------|---|------------------------------|
| Japachance | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 25V | Rated voltage Edc: 16V |
| | 0402 | 0.20±0.02 | ±0.25pF | | | C0402C0G1C0R5C020BC |
| | 0603 | 0.30±0.03 | ±0.25pF | C0603C0G1H0R5C030BA | C0603C0G1E0R5C030BA | |
| 0.5 pF | 1005 | 0.50±0.05 | ±0.10pF | C1005C0G1H0R5B050BA | | |
| | 1005 | 0.50±0.05 | ±0.25pF | C1005C0G1H0R5C050BA | | |
| | 1608 | 0.80±0.10 | ±0.25pF | C1608C0G1H0R5C080AA | | |
| | 0402 | 0.20±0.02 | ±0.25pF | | | C0402C0G1CR75C020BC |
| | 0603 | 0.30 ± 0.03 | ±0.25pF | C0603C0G1HR75C030BA | C0603C0G1ER75C030BA | |
| 0.75 pF | 1005 | 0.50.0.05 | ±0.10pF | C1005C0G1HR75B050BA | | |
| | 1005 | 0.50±0.05 | ±0.25pF | C1005C0G1HR75C050BA | | |
| - | 1608 | 0.80±0.10 | ±0.25pF | C1608C0G1HR75C080AA | | |
| | 0402 | 0.20±0.02 | ±0.25pF | | | C0402C0G1C010C020BC |
| - | 0603 | 0.30±0.03 | ±0.25pF | C0603C0G1H010C030BA | C0603C0G1E010C030BA | |
| 1 pF | 1005 | 0.50.005 | ±0.10pF | C1005C0G1H010B050BA | | |
| · | 1005 | 0.50±0.05 | ±0.25pF | C1005C0G1H010C050BA | | |
| - | 1608 | 0.80±0.10 | ±0.25pF | C1608C0G1H010C080AA | | |
| | 0402 | 0.20±0.02 | ±0.25pF | | | C0402C0G1C1R5C020BC |
| - | 0603 | 0.30±0.03 | ±0.25pF | C0603C0G1H1R5C030BA | C0603C0G1E1R5C030BA | |
| 1.5 pF | | | ±0.10pF | C1005C0G1H1R5B050BA | | |
| - 1 | 1005 | 0.50±0.05 | ±0.25pF | C1005C0G1H1R5C050BA | | |
| - | 1608 | 0.80±0.10 | ±0.25pF | C1608C0G1H1R5C080AA | | |
| | 0402 | 0.20±0.02 | ±0.25pF | | | C0402C0G1C020C020BC |
| - | 0603 | 0.30±0.03 | ±0.25pF | C0603C0G1H020C030BA | C0603C0G1E020C030BA | |
| 2 pF | | | ±0.10pF | C1005C0G1H020B050BA | 000000001.20200000000000000000000000000 | |
| - p. | 1005 | 0.50±0.05 | ±0.25pF | C1005C0G1H020C050BA | | |
| - | 1608 | 0.80±0.10 | ±0.25pF | C1608C0G1H020C080AA | | |
| | 0402 | 0.20±0.02 | ±0.25pF | 0.00000000200000 | | C0402C0G1C2R2C020BC |
| 2.2 pF | 0603 | 0.30±0.03 | ±0.25pF | C0603C0G1H2R2C030BA | C0603C0G1E2R2C030BA | 00-02-00-02-102-112-002-02-0 |
| | 0402 | 0.20±0.02 | ±0.25pF | 0000000011121120000071 | 000000001221120000071 | C0402C0G1C030C020BC |
| - | 0603 | 0.30±0.03 | ±0.25pF | C0603C0G1H030C030BA | C0603C0G1E030C030BA | 0040200010000002000 |
| 3 pF | 0003 | 0.30±0.03 | ±0.23pi | C1005C0G1H030B050BA | COOOSCOGTEOSOCOSOBA | |
| о рі | 1005 | 0.50±0.05 | | | | |
| | 1608 | 0.80±0.10 | ±0.25pF ±0.25pF | C1005C0G1H030C050BA | | |
| | | | | C1608C0G1H030C080AA | | C0400C0C4C0D0C000DC |
| 3.3 pF | 0402 | 0.20±0.02 | ±0.25pF | C0C00C0C4110D0C000DA | C0C00C0C4F0F0C000FA | C0402C0G1C3R3C020BC |
| | 0603 | 0.30±0.03 | ±0.25pF | C0603C0G1H3R3C030BA | C0603C0G1E3R3C030BA | C0400C0C1C040C000BC |
| | 0402 | 0.20±0.02 | ±0.25pF | C0C00C0C41 I040C000R4 | C0C02C0C4E040C020D4 | C0402C0G1C040C020BC |
| 4 5 | 0603 | 0.30±0.03 | ±0.25pF | C0603C0G1H040C030BA | C0603C0G1E040C030BA | |
| 4 pF | 1005 | 0.50±0.05 | ±0.10pF | C1005C0G1H040B050BA | | |
| | 1000 | 0.00.040 | ±0.25pF | C1005C0G1H040C050BA | | |
| | 1608 | 0.80±0.10 | ±0.25pF | C1608C0G1H040C080AA | | 00100001010700000 |
| 4.7 pF | 0402 | 0.20±0.02 | ±0.25pF | 000000004114D=0000D4 | 000000015155500001 | C0402C0G1C4R7C020BC |
| | 0603 | 0.30±0.03 | ±0.25pF | C0603C0G1H4R7C030BA | C0603C0G1E4R7C030BA | |
| | 0402 | 0.20±0.02 | ±0.25pF | 0000000011: | 00000001= | C0402C0G1C050C020BC |
| | 0603 | 0.30±0.03 | ±0.25pF | C0603C0G1H050C030BA | C0603C0G1E050C030BA | |
| 5 pF | 1005 | 0.50±0.05 | ±0.10pF | C1005C0G1H050B050BA | | |
| | | | ±0.25pF | C1005C0G1H050C050BA | | |
| | 1608 | 0.80±0.10 | ±0.25pF | C1608C0G1H050C080AA | | |
| ē | 0402 | 0.20±0.02 | ±0.50pF | | | C0402C0G1C060D020BC |
| | 0603 | 0.30±0.03 | ±0.50pF | C0603C0G1H060D030BA | C0603C0G1E060D030BA | |
| 6 pF | 1005 | 0.50±0.05 | ±0.25pF | C1005C0G1H060C050BA | | |
| ор. | | 0.00_0.00 | ±0.50pF | C1005C0G1H060D050BA | | |
| | 1608 | 0.80±0.10 | ±0.25pF | C1608C0G1H060C080AA | | |
| | 1000 | 0.00±0.10 | ±0.50pF | C1608C0G1H060D080AA | | |
| 6.8 pF | 0402 | 0.20±0.02 | ±0.50pF | | | C0402C0G1C6R8D020BC |
| υ.υ μΓ | 0603 | 0.30±0.03 | ±0.50pF | C0603C0G1H6R8D030BA | C0603C0G1E6R8D030BA | |
| | 0402 | 0.20±0.02 | ±0.50pF | | | C0402C0G1C070D020BC |
| - | 0603 | 0.30±0.03 | ±0.50pF | C0603C0G1H070D030BA | C0603C0G1E070D030BA | |
| 75 | 1005 | 0.50.005 | ±0.25pF | C1005C0G1H070C050BA | | |
| / n= | 1005 | 0.50 ± 0.05 | ±0.50pF | C1005C0G1H070D050BA | | |
| 7 pF | | | ±0.50pr | C1003C0G111070D030DA | | |
| <i>γ</i> μι - | 1608 | 0.80±0.10 | ±0.30pF ±0.25pF | C1608C0G1H070C080AA | | |

[■] Gray items: These products are not recommended for new designs.



| Canacitance | Dimensions | Thickness | Capacitance _ | Catalog number | | |
|-------------|--------------|-----------|---------------|---------------------------|------------------------|------------------------|
| Dapachance | Difficusions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 25V | Rated voltage Edc: 16V |
| | 0402 | 0.20±0.02 | ±0.50pF | | | C0402C0G1C080D020BC |
| | 0603 | 0.30±0.03 | ±0.50pF | C0603C0G1H080D030BA | C0603C0G1E080D030BA | |
| 8 pF | 1005 | 0.50±0.05 | ±0.25pF | C1005C0G1H080C050BA | | |
| Орі | 1000 | 0.00±0.00 | ±0.50pF | C1005C0G1H080D050BA | | |
| | 1608 | 0.80±0.10 | ±0.25pF | C1608C0G1H080C080AA | | |
| | 1000 | 0.00±0.10 | ±0.50pF | C1608C0G1H080D080AA | | |
| | 0402 | 0.20±0.02 | ±0.50pF | | | C0402C0G1C090D020BC |
| | 0603 | 0.30±0.03 | ±0.50pF | C0603C0G1H090D030BA | C0603C0G1E090D030BA | |
| 9 pF | 1005 | 0.50±0.05 | ±0.25pF | C1005C0G1H090C050BA | | |
| o pi | 1000 | 0.00±0.00 | ±0.50pF | C1005C0G1H090D050BA | | |
| | 1608 | 0.80±0.10 | ±0.25pF | C1608C0G1H090C080AA | | |
| | 1000 | 0.00±0.10 | ±0.50pF | C1608C0G1H090D080AA | | |
| | 0402 | 0.20±0.02 | ±0.50pF | | | C0402C0G1C100D020BC |
| | 0603 | 0.30±0.03 | ±0.50pF | C0603C0G1H100D030BA | C0603C0G1E100D030BA | |
| 10 pF | 1005 | 0.50±0.05 | ±0.25pF | C1005C0G1H100C050BA | | |
| то рі | 1005 | 0.50±0.05 | ±0.50pF | C1005C0G1H100D050BA | | |
| | 1608 | 0.80±0.10 | ±0.25pF | C1608C0G1H100C080AA | | |
| | 1006 | 0.00±0.10 | ±0.50pF | C1608C0G1H100D080AA | | |
| | 0402 | 0.20+0.02 | ±10% | | | C0402C0G1C120K020BC |
| | 0402 | 0.20±0.02 | ±5% | | | C0402C0G1C120J020BC |
| 10 pF | 0602 | 0.20.0.02 | ±10% | C0603C0G1H120K030BA | C0603C0G1E120K030BA | |
| 12 pF | 0603 | 0.30±0.03 | ±5% | C0603C0G1H120J030BA | C0603C0G1E120J030BA | |
| | 1005 | 0.50±0.05 | ±5% | C1005C0G1H120J050BA | | |
| | 1608 | 0.80±0.10 | ±5% | C1608C0G1H120J080AA | | |
| | 0400 | 0.00.000 | ±10% | | | C0402C0G1C150K020BC |
| | 0402 | 0.20±0.02 | ±5% | | | C0402C0G1C150J020BC |
| | 0000 | 0.00.000 | ±10% | C0603C0G1H150K030BA | C0603C0G1E150K030BA | |
| | 0603 | 0.30±0.03 | ±5% | C0603C0G1H150J030BA | C0603C0G1E150J030BA | |
| 155 | | | ±1% | C1005C0G1H150F050BA | | |
| 15 pF | 1005 | 0.50±0.05 | ±2% | C1005C0G1H150G050BA | | |
| | | | ±5% | C1005C0G1H150J050BA | | |
| | | | ±1% | C1608C0G1H150F080AA | | |
| | 1608 | 0.80±0.10 | ±2% | C1608C0G1H150G080AA | | |
| | | | ±5% | C1608C0G1H150J080AA | | |
| | | | ±10% | | | C0402C0G1C180K020BC |
| | 0402 | 0.20±0.02 | ±5% | | | C0402C0G1C180J020BC |
| | | | ±10% | C0603C0G1H180K030BA | C0603C0G1E180K030BA | |
| 18 pF | 0603 | 0.30±0.03 | ±5% | C0603C0G1H180J030BA | C0603C0G1E180J030BA | |
| | 1005 | 0.50±0.05 | ±5% | C1005C0G1H180J050BA | | |
| | 1608 | 0.80±0.10 | ±5% | C1608C0G1H180J080AA | | |
| | | | ±10% | | | C0402C0G1C220K020BC |
| | 0402 | 0.20±0.02 | ±5% | | | C0402C0G1C220J020BC |
| | 005- | | ±10% | C0603C0G1H220K030BA | C0603C0G1E220K030BA | |
| | 0603 | 0.30±0.03 | ±5% | C0603C0G1H220J030BA | C0603C0G1E220J030BA | |
| | | | ±1% | C1005C0G1H220F050BA | | |
| 22 pF | 1005 | 0.50±0.05 | ±2% | C1005C0G1H220G050BA | | |
| | | | ±5% | C1005C0G1H220J050BA | | |
| | | | ±1% | C1608C0G1H220F080AA | | |
| | 1608 | 0.80±0.10 | ±2% | C1608C0G1H220G080AA | | |
| | .000 | 5.55±0.10 | ±5% | C1608C0G1H220J080AA | | |
| | | | ±10% | _ 100000 A 11 12200007 17 | | C0402C0G1C270K020BC |
| | 0402 | 0.20±0.02 | ±5% | | | C0402C0G1C270J020BC |
| | | | ±10% | C0603C0G1H270K030BA | C0603C0G1E270K030BA | 55.52553102100020D0 |
| 27 pF | 0603 | 0.30±0.03 | ±5% | C0603C0G1H270J030BA | C0603C0G1E270J030BA | |
| | 1005 | 0.50±0.05 | ±5% | C1005C0G1H270J050BA | 00000001L2700000DA | |
| | 1608 | 0.80±0.03 | ±5% | C1608C0G1H270J080AA | | |
| | 1000 | 0.00±0.10 | ±J /0 | 510000041112/00000AA | | |

[■] Gray items: These products are not recommended for new designs.



| Capacitance | Dimonsions | Thickness | Capacitance _ | Catalog number | | |
|-------------|---------------|------------------------|---------------|--|------------------------|------------------------|
| Japachance | Difficiations | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 25V | Rated voltage Edc: 16V |
| | 0402 | 0.20±0.02 | ±10% | | | C0402C0G1C330K020BC |
| | | | ±5% | 000000001110001/000014 | 0000000045000400004 | C0402C0G1C330J020BC |
| | 0603 | 0.30±0.03 | ±10% | C0603C0G1H330K030BA | C0603C0G1E330K030BA | |
| | | | ±5% | C0603C0G1H330J030BA | C0603C0G1E330J030BA | |
| 33 pF | 1005 | 0.50±0.05 | ±1% ±2% | C1005C0G1H330F050BA | | |
| | 1005 | 0.50±0.05 | ±2 % ±5% | C1005C0G1H330G050BA | | |
| | | | ±5 % ±1% | C1005C0G1H330J050BA C1608C0G1H330F080AA | | |
| | 1608 | 0.80±0.10 | ±1% | C1608C0G1H330G080AA | | |
| | 1000 | 0.00±0.10 | ±5% | C1608C0G1H330J080AA | | |
| | | | ±10% | 010000001110000000711 | | C0402C0G1C390K020BC |
| | 0402 | 0.20±0.02 | ±5% | | | C0402C0G1C390J020BC |
| | | | ±10% | C0603C0G1H390K030BA | C0603C0G1E390K030BA | |
| 39 pF | 0603 | 0.30±0.03 | ±5% | C0603C0G1H390J030BA | C0603C0G1E390J030BA | |
| | 1005 | 0.50±0.05 | ±5% | C1005C0G1H390J050BA | | |
| | 1608 | 0.80±0.10 | ±5% | C1608C0G1H390J080AA | | |
| | 0402 | 0.20+0.02 | ±10% | | | C0402C0G1C470K020BC |
| | 0402 | 0.20±0.02 | ±5% | | | C0402C0G1C470J020BC |
| | 0603 | 0.30±0.03 | ±10% | C0603C0G1H470K030BA | C0603C0G1E470K030BA | |
| | 0000 | 0.00±0.00 | ±5% | C0603C0G1H470J030BA | C0603C0G1E470J030BA | |
| 47 pF | | | ±1% | C1005C0G1H470F050BA | | |
| 17 PI | 1005 | 0.50±0.05 | ±2% | C1005C0G1H470G050BA | | |
| | | | ±5% | C1005C0G1H470J050BA | | |
| | | | ±1% | C1608C0G1H470F080AA | | |
| | 1608 | 0.80±0.10 | ±2% | C1608C0G1H470G080AA | | |
| | | | ±5% | C1608C0G1H470J080AA | | 004000040500400000 |
| | 0402 | 0.20±0.02 | ±10% | | | C0402C0G1C560K020BC |
| | | | ±5% | 0000000041 IF001/000D A | 000000045500400000 | C0402C0G1C560J020BC |
| 56 pF | 0603 | 0.30±0.03 | ±10% | C0603C0G1H560K030BA | C0603C0G1E560K030BA | |
| | 1005 | 0.50+0.05 | ±5% | C0603C0G1H560J030BA | C0603C0G1E560J030BA | |
| | 1005 1608 | 0.50±0.05 0.80±0.10 | ±5% ±5% | C1005C0G1H560J050BA C1608C0G1H560J080AA | | |
| | 1000 | 0.00±0.10 | ±3% | C1000C0G1113000000AA | | C0402C0G1C680K020BC |
| | 0402 | 0.20±0.02 | ±5% | | | C0402C0G1C680J020BC |
| | | | ±10% | C0603C0G1H680K030BA | C0603C0G1E680K030BA | 001020001000002020 |
| | 0603 | 0.30±0.03 | ±5% | C0603C0G1H680J030BA | C0603C0G1E680J030BA | |
| | | | ±1% | C1005C0G1H680F050BA | | |
| 68 pF | 1005 | 0.50±0.05 | ±2% | C1005C0G1H680G050BA | | |
| | | | ±5% | C1005C0G1H680J050BA | | |
| | | | ±1% | C1608C0G1H680F080AA | | |
| | 1608 | 0.80±0.10 | ±2% | C1608C0G1H680G080AA | | |
| | | | ±5% | C1608C0G1H680J080AA | | |
| | 0400 | 0.00.000 | ±10% | | | C0402C0G1C820K020BC |
| | 0402 | 0.20±0.02 | ±5% | | | C0402C0G1C820J020BC |
| 82 pF | 0603 | 0.30±0.03 | ±10% | C0603C0G1H820K030BA | C0603C0G1E820K030BA | |
| 02 pi | 0003 | 0.30±0.03 | ±5% | C0603C0G1H820J030BA | C0603C0G1E820J030BA | |
| | 1005 | 0.50±0.05 | ±5% | C1005C0G1H820J050BA | | |
| | 1608 | 0.80±0.10 | ±5% | C1608C0G1H820J080AA | | |
| | 0402 | 0.20±0.02 | ±10% | | | C0402C0G1C101K020BC |
| | U.JL | JJ.U.U. | ±5% | | | C0402C0G1C101J020BC |
| | 0603 | 0.30±0.03 | ±10% | C0603C0G1H101K030BA | C0603C0G1E101K030BA | |
| | | | ±5% | C0603C0G1H101J030BA | C0603C0G1E101J030BA | |
| | | | ±1% | C1005C0G1H101F050BA | | |
| 100 pF | 1005 | 0.50±0.05 | ±10% | C1005C0G1H101K050BA | | |
| • | | | ±2% | C1005C0G1H101G050BA | | |
| | | | ±5% | C1005C0G1H101J050BA | | |
| | | | ±1% | C1608C0G1H101F080AA | | |
| | 1608 | 0.80±0.10 | ±10% | C1608C0G1H101K080AA | | |
| | | | ±2% | C1608C0G1H101G080AA | | |
| | | | ±5% | C1608C0G1H101J080AA | | |

[■] Gray items: These products are not recommended for new designs.



| Capacitance | Dimensions | Thickness (mm) | Capacitance _ tolerance | Catalog number Rated voltage Edc: 50V |
|-------------|------------|-------------------|----------------------------|--|
| | 1005 | 0.50.0.05 | ±10% | C1005C0G1H121K050BA |
| 120 pF | 1005 | 0.50±0.05 | ±5% | C1005C0G1H121J050BA |
| 120 pi | 1608 | 0.80±0.10 | ±10% | C1608C0G1H121K080AA |
| | 1000 | 0.60±0.10 | ±5% | C1608C0G1H121J080AA |
| • | | | ±1% | C1005C0G1H151F050BA |
| | 1005 | 0.50.0.05 | ±10% | C1005C0G1H151K050BA |
| | 1005 | 0.50±0.05 | ±2% | C1005C0G1H151G050BA |
| 450 · 5 | | | ±5% | C1005C0G1H151J050BA |
| 150 pF | | | ±1% | C1608C0G1H151F080AA |
| | 4000 | | ±10% | C1608C0G1H151K080AA |
| | 1608 | 0.80±0.10 | ±2% | C1608C0G1H151G080AA |
| | | | ±5% | C1608C0G1H151J080AA |
| | | | ±10% | C1005C0G1H181K050BA |
| | 1005 | 0.50±0.05 | ±5% | C1005C0G1H181J050BA |
| 180 pF | | | ±10% | C1608C0G1H181K080AA |
| | 1608 | 0.80±0.10 | ±5% | C1608C0G1H181J080AA |
| | | | ±1% | C1005C0G1H221F050BA |
| | | | ±10% | |
| | 1005 | 0.50±0.05 | ±10% | C1005C0G1H221K050BA C1005C0G1H221G050BA |
| | | | ±2% ±5% | |
| 220 pF | | | ±5% ±1% | C1005C0G1H221J050BA C1608C0G1H221F080AA |
| | | | - | |
| | 1608 | 0.80±0.10 | ±10% | C1608C0G1H221K080AA |
| | | | ±2% | C1608C0G1H221G080AA |
| | | | ±5% | C1608C0G1H221J080AA |
| | 1005 | 0.50±0.05 | ±10% | C1005C0G1H271K050BA |
| 270 pF | | | ±5% | C1005C0G1H271J050BA |
| | 1608 | 0.80±0.10 | ±10% | C1608C0G1H271K080AA |
| | | | ±5% | C1608C0G1H271J080AA |
| | | | ±1% | C1005C0G1H331F050BA |
| | 1005 | 0.50±0.05 | ±10% | C1005C0G1H331K050BA |
| | .000 | 0.00_0.00 | ±2% | C1005C0G1H331G050BA |
| 330 pF | | | ±5% | C1005C0G1H331J050BA |
| осо р. | | | ±1% | C1608C0G1H331F080AA |
| | 1608 | 0.80±0.10 | ±10% | C1608C0G1H331K080AA |
| | 1000 | 0.0010.10 | ±2% | C1608C0G1H331G080AA |
| | | | ±5% | C1608C0G1H331J080AA |
| | 1005 | 0.50±0.05 | ±10% | C1005C0G1H391K050BA |
| 390 pF | | 0.0010.00 | ±5% | C1005C0G1H391J050BA |
| 050 pi | 1608 | 0.80±0.10 | ±10% | C1608C0G1H391K080AA |
| | 1000 | 0.00±0.10 | ±5% | C1608C0G1H391J080AA |
| | | | ±1% | C1005C0G1H471F050BA |
| | 1005 | 0.50±0.05 | ±10% | C1005C0G1H471K050BA |
| | 1003 | 0.30±0.03 | ±2% | C1005C0G1H471G050BA |
| 470 pE | | | ±5% | C1005C0G1H471J050BA |
| 470 pF | | - | ±1% | C1608C0G1H471F080AA |
| | 1609 | 0.80±0.10 | ±10% | C1608C0G1H471K080AA |
| | 1608 | 0.00±0.10 | ±2% | C1608C0G1H471G080AA |
| | | | ±5% | C1608C0G1H471J080AA |
| · | 1005 | 0.50:0.05 | ±10% | C1005C0G1H561K050BA |
| 560 pF | 1005 | 0.50±0.05 | ±5% | C1005C0G1H561J050BA |
| oou pr | 1600 | 0.00:0.40 | ±10% | C1608C0G1H561K080AA |
| | 1608 | 0.80±0.10 | ±5% | C1608C0G1H561J080AA |
| | | | ±1% | C1005C0G1H681F050BA |
| | 1005 | 0.50.005 | ±10% | C1005C0G1H681K050BA |
| | 1005 | 0.50±0.05 | ±2% | C1005C0G1H681G050BA |
| | | | ±5% | C1005C0G1H681J050BA |
| 680 pF | | | ±1% | C1608C0G1H681F080AA |
| | | | ±10% | C1608C0G1H681K080AA |
| | 1608 | 0.80±0.10 | ±2% | C1608C0G1H681G080AA |
| | | | ±5% | C1608C0G1H681J080AA |
| | | | ±J /0 | 3 1000000 11 100 10000AA |

[■] Gray items: These products are not recommended for new designs.



| | D: : | Thickness | Capacitance | Catalog number | |
|-------------|------------|-------------|-------------|------------------------|------------------------|
| Capacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 25V |
| | 1005 | 0.50.0.05 | ±10% | C1005C0G1H821K050BA | |
| 820 pF | 1005 | 0.50±0.05 | ±5% | C1005C0G1H821J050BA | |
| 620 pr | 1608 | 0.90+0.10 | ±10% | C1608C0G1H821K080AA | |
| | 1006 | 0.80±0.10 | ±5% | C1608C0G1H821J080AA | |
| | | | ±1% | C1005C0G1H102F050BA | |
| | 1005 | 0.50.0.05 | ±10% | C1005C0G1H102K050BA | |
| | 1005 | 0.50±0.05 | ±2% | C1005C0G1H102G050BA | |
| | | | ±5% | C1005C0G1H102J050BA | C1005C0G1E102J050BA |
| 4 | | | ±1% | C1608C0G1H102F080AA | |
| 1 nF | 1000 | 0.00.0.10 | ±10% | C1608C0G1H102K080AA | |
| | 1608 | 0.80±0.10 | ±2% | C1608C0G1H102G080AA | |
| | | | ±5% | C1608C0G1H102J080AA | |
| | 2010 | 0.00.045 | ±10% | C2012C0G1H102K060AA | |
| | 2012 | 0.60±0.15 | ±5% | C2012C0G1H102J060AA | |
| | 1000 | | ±10% | C1608C0G1H122K080AA | |
| | 1608 | 0.80±0.10 | ±5% | C1608C0G1H122J080AA | |
| 1.2 nF | | | ±10% | C2012C0G1H122K060AA | |
| | 2012 | 0.60±0.15 | ±5% | C2012C0G1H122J060AA | |
| | | | ±10% | C1608C0G1H152K080AA | |
| | 1608 | 0.80±0.10 | ±5% | C1608C0G1H152J080AA | |
| 1.5 nF | | | ±10% | C2012C0G1H152K060AA | |
| | 2012 | 0.60±0.15 | ±5% | C2012C0G1H152J060AA | |
| | | | ±10% | C1608C0G1H182K080AA | |
| | 1608 | 0.80±0.10 | ±5% | C1608C0G1H182J080AA | |
| 1.8 nF | | | ±10% | C2012C0G1H182K060AA | |
| | 2012 | 0.60±0.15 | ±5% | C2012C0G1H182J060AA | |
| | | | ±10% | C1608C0G1H222K080AA | |
| | 1608 | 0.80±0.10 | ±5% | C1608C0G1H222J080AA | |
| 2.2 nF | | | ±10% | C2012C0G1H222K060AA | |
| 2.2 111 | 2012 | 0.60±0.15 | ±5% | C2012C0G1H222J060AA | |
| | 2012 | 0.85±0.15 | ±5% | C2012C0G1H222J085AA | |
| | | 0.00±0.10 | ±10% | C1608C0G1H272K080AA | |
| | 1608 | 0.80±0.10 | ±5% | C1608C0G1H272J080AA | |
| 2.7 nF | | | ±10% | C2012C0G1H272K060AA | |
| | 2012 | 0.60±0.15 | ±5% | C2012C0G1H272J060AA | |
| | | | ±10% | C1608C0G1H332K080AA | |
| | 1608 | 0.80±0.10 | ±10% | C1608C0G1H332J080AA | |
| 3.3 nF | | | ±10% | C2012C0G1H332K060AA | |
| 3.3 11 | 2012 | 0.60±0.15 | | | |
| | 2012 | 1.05 . 0.00 | ±5% ±5% | C2012C0G1H332J060AA | |
| | | 1.25±0.20 | | C2012C0G1H332J125AA | |
| | 1608 | 0.80±0.10 | ±10% | C1608C0G1H392K080AA | C1000C0C1F000 I000AA |
| | | | ±5% | C1608C0G1H392J080AA | C1608C0G1E392J080AA |
| 3.9 nF | 2012 | 0.60±0.15 | ±10% | C2012C0G1H392K060AA | |
| | | | ±5% | C2012C0G1H392J060AA | |
| | 3216 | 0.60±0.15 | ±10% | C3216C0G1H392K060AA | |
| | | | ±5% | C3216C0G1H392J060AA | |
| | 1608 | 0.80±0.10 | ±10% | C1608C0G1H472K080AA | 04000000151301000 |
| | | | ±5% | C1608C0G1H472J080AA | C1608C0G1E472J080AA |
| 4.7 nF | 2012 | 0.60±0.15 | ±10% | C2012C0G1H472K060AA | |
| | | | ±5% | C2012C0G1H472J060AA | |
| | 3216 | 0.60±0.15 | ±10% | C3216C0G1H472K060AA | |
| | | | ±5% | C3216C0G1H472J060AA | |
| | 1608 | 0.80±0.10 | ±10% | C1608C0G1H562K080AA | |
| | | | ±5% | C1608C0G1H562J080AA | C1608C0G1E562J080AA |
| 5.6 nF | 2012 | 0.60±0.15 | ±10% | C2012C0G1H562K060AA | |
| 0.0711 | | 0.0020.10 | ±5% | C2012C0G1H562J060AA | |
| | 3216 | 0.60±0.15 | ±10% | C3216C0G1H562K060AA | |
| | J_ 10 | 0.00±0.10 | ±5% | C3216C0G1H562J060AA | |

[■] Gray items: These products are not recommended for new designs.

[■] The red items are products which the production will be stopped.



| apacitance | Dimensions | Thickness (mm) | Capacitance _ tolerance | Catalog number Rated voltage Edc: 50V | Rated voltage Edc: 35V | Rated voltage Edc: 25\ |
|------------|------------|-------------------|----------------------------|--|--|------------------------|
| | 1608 | 0.80±0.10 | ±10% | C1608C0G1H682K080AA | | |
| | | | ±5% | C1608C0G1H682J080AA | | C1608C0G1E682J080AA |
| 6.8 nF | 2012 | 0.60±0.15 | ±10% | C2012C0G1H682K060AA | | |
| | | | ±5% | C2012C0G1H682J060AA C3216C0G1H682K060AA | | |
| | 3216 | 0.60±0.15 | ±10% ±5% | C3216C0G1H682J060AA | | |
| | | | ±5% ±10% | C1608C0G1H822K080AA | | |
| | 1608 | 0.80±0.10 | ±10% | C1608C0G1H822J080AA | | C1608C0G1E822J080AA |
| - | | | ±10% | C2012C0G1H822K060AA | | 010000001E0220000AA |
| 8.2 nF | 2012 | 0.60±0.15 | ±5% | C2012C0G1H822J060AA | | |
| • | | | ±10% | C3216C0G1H822K060AA | | |
| | 3216 | 0.60±0.15 | ±5% | C3216C0G1H822J060AA | | |
| | 4000 | 0.00.0.10 | ±10% | C1608C0G1H103K080AA | C1608C0G1V103K080AC | |
| | 1608 | 0.80±0.10 | ±5% | C1608C0G1H103J080AA | C1608C0G1V103J080AC | C1608C0G1E103J080AA |
| 10 pE | 2012 | 0.60.0.15 | ±10% | C2012C0G1H103K060AA | | |
| 10 nF | 2012 | 0.60±0.15 | ±5% | C2012C0G1H103J060AA | | C2012C0G1E103J060AA |
| | 3216 | 0.60±0.15 | ±10% | C3216C0G1H103K060AA | | |
| | 3210 | 0.00±0.13 | ±5% | C3216C0G1H103J060AA | | |
| | 1608 | 0.80±0.10 | ±10% | | C1608C0G1V153K080AC | |
| - | .000 | J.50±0.10 | ±5% | | C1608C0G1V153J080AC | |
| 15 nF | 2012 | 0.85±0.15 | ±10% | C2012C0G1H153K085AA | | |
| | | | ±5% | C2012C0G1H153J085AA | | C2012C0G1E153J085AA |
| | 3216 | 0.60±0.15 | ±10% | C3216C0G1H153K060AA | | |
| | | | ±5% | C3216C0G1H153J060AA | 04000000414400400040 | |
| | 1608 | 0.80±0.10 | ±10% | | C1608C0G1V183K080AC | |
| 18 nF | | | ±5% | | C1608C0G1V183J080AC | |
| | 2012 | 0.60±0.15 | ±10% ±5% | | C2012C0G1V183K060AC C2012C0G1V183J060AC | |
| | | | ±5% ±10% | | C2012C0G1V1833080AC | |
| | | 0.60±0.15 | ±5% | | C2012C0G1V223J060AC | |
| | 2012 - | | ±10% | C2012C0G1H223K125AA | 020120001 V2230000A0 | |
| | | 1.25±0.20 | ±5% | C2012C0G1H223J125AA | | C2012C0G1E223J125AA |
| 22 nF | | | ±10% | C3216C0G1H223K060AA | | 0201200012220012070 |
| | 3216 | 0.60±0.15 | ±5% | C3216C0G1H223J060AA | | |
| • | | | ±10% | C3225C0G1H223K125AA | | |
| | 3225 | 1.25±0.20 | ±5% | C3225C0G1H223J125AA | | |
| 27 nF | 2012 | 0.60 . 0.15 | ±10% | | C2012C0G1V273K060AC | |
| 27 11 | 2012 | 0.60±0.15 | ±5% | | C2012C0G1V273J060AC | |
| 30 nF | 2012 | 0.60±0.15 | ±10% | | C2012C0G1V303K060AC | |
| 00 111 | 2012 | 0.00±0.13 | ±5% | | C2012C0G1V303J060AC | |
| | 2012 | 1.25±0.20 | ±10% | C2012C0G1H333K125AA | | |
| - | | | ±5% | C2012C0G1H333J125AA | | C2012C0G1E333J125AA |
| 33 nF | 3216 | 0.85±0.15 | ±10% | C3216C0G1H333K085AA | | |
| - | - | | ±5% | C3216C0G1H333J085AA | | |
| | 3225 | 1.60±0.20 | ±10% | C3225C0G1H333K160AA | | |
| | | | ±5% | C3225C0G1H333J160AA | | |
| | 3216 | 1.15±0.15 | ±10% ±5% | C3216C0G1H473K115AA | | |
| - | | | ±5% ±10% | C3216C0G1H473J115AA C3225C0G1H473K200AA | | |
| 47 nF | 3225 | 2.00±0.20 | ±10% | C3225C0G1H473K200AA C3225C0G1H473J200AA | | |
| - | | | ±5% ±10% | C4532C0G1H473K160KA | | |
| | 4532 | 1.60±0.20 | ±10% | C4532C0G1H473J160KA | | |
| | | | ±10% | C3216C0G1H683K160AA | | |
| | 3216 | 1.60±0.20 | ±5% | C3216C0G1H683J160AA | | |
| | 005- | 0.00: | ±10% | C3225C0G1H683K200AA | | |
| 68 nF | 3225 | 2.00±0.20 | ±5% | C3225C0G1H683J200AA | | |
| - | 4500 | 1.00.000 | ±10% | C4532C0G1H683K160KA | | |
| | 4532 | 1.60±0.20 | ±5% | C4532C0G1H683J160KA | | |
| | 2016 | 1 60 - 0 00 | ±10% | C3216C0G1H104K160AA | | |
| | 3216 | 1.60±0.20 | ±5% | C3216C0G1H104J160AA | | |
| 100 55 | 2005 | 2 50 10 20 | ±10% | C3225C0G1H104K250AA | | |
| 100 nF | 3225 | 2.50±0.30 | ±5% | C3225C0G1H104J250AA | | |
| • | 4532 | 2.00±0.20 | ±10% | C4532C0G1H104K200KA | | |
| | 4002 | ∠.∪∪±∪.∠U | ±5% | C4532C0G1H104J200KA | | · |
| 150 nF | 4532 | 2.50±0.30 | ±10% | C4532C0G1H154K250KA | | |
| 100 111 | 7502 | 2.00±0.00 | ±5% | C4532C0G1H154J250KA | | |
| | | | ±10% | C4532C0G1H224K320KA | | |
| 220 nF | 4532 | 3.20±0.30 | ±5% | C4532C0G1H224J320KA | | |

 $[\]hfill \blacksquare$ Gray items: These products are not recommended for new designs.

[■] The red items are products which the production will be stopped.



| Capacitance | Dimonoiono | Thickness | Capacitance _ | Catalog number | | | |
|-------------|--------------|------------------------|--------------------|--|------------------------|---------------------------------------|--|
| Capacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 25V | Rated voltage Edc: 16V | |
| | 0402 | 0.20±0.02 | ±0.25pF | | | C0402CH1C0R5C020BC | |
| | 0603 | 0.30 ± 0.03 | ±0.25pF | C0603CH1H0R5C030BA | C0603CH1E0R5C030BA | | |
| 0.5 pF | 1005 | 0.50.0.05 | ±0.10pF | C1005CH1H0R5B050BA | | | |
| | 1005 | 0.50±0.05 | ±0.25pF | C1005CH1H0R5C050BA | | | |
| | 1608 | 0.80±0.10 | ±0.25pF | C1608CH1H0R5C080AA | | | |
| | 0402 | 0.20±0.02 | ±0.25pF | | | C0402CH1CR75C020BC | |
| | 0603 | 0.30±0.03 | ±0.25pF | C0603CH1HR75C030BA | C0603CH1ER75C030BA | | |
| 0.75 pF | | | ±0.10pF | C1005CH1HR75B050BA | | | |
| · | 1005 | 0.50±0.05 | ±0.25pF | C1005CH1HR75C050BA | | | |
| | 1608 | 0.80±0.10 | ±0.25pF | C1608CH1HR75C080AA | | | |
| | 0402 | 0.20±0.02 | ±0.25pF | | | C0402CH1C010C020BC | |
| | 0603 | 0.30±0.03 | ±0.25pF | C0603CH1H010C030BA | C0603CH1E010C030BA | | |
| 1 pF | | | ±0.10pF | C1005CH1H010B050BA | | | |
| · | 1005 | 0.50±0.05 | ±0.25pF | C1005CH1H010C050BA | | | |
| | 1608 | 0.80±0.10 | ±0.25pF | C1608CH1H010C080AA | | | |
| | 0402 | 0.20±0.02 | ±0.25pF | 01000011110100000701 | | C0402CH1C1R5C020BC | |
| | 0603 | 0.30±0.03 | ±0.25pF | C0603CH1H1R5C030BA | C0603CH1E1R5C030BA | 00402011101110002020 | |
| 1.5 pF | 5555 | 0.00±0.00 | ±0.23pr | C1005CH1H1R5B050BA | JUUGGOOTTETTOOOODA | | |
| 1.5 pi | 1005 | 0.50±0.05 | ±0.10pf | C1005CH1H1R5C050BA | | | |
| | 1608 | 0.80±0.10 | ±0.25pF | C1608CH1H1R5C080AA | | | |
| | 0402 | 0.20±0.10 | ±0.25pF | CTOOOCITITITISCOOOAA | | C0402CH1C020C020BC | |
| | 0603 | 0.20±0.02 0.30±0.03 | ±0.25pF | C0602CU1U020C020BA | C0603CH1E020C030BA | C0402CI11C020C020BC | |
| 2 pF | 0003 | 0.30±0.03 | | C0603CH1H020C030BA C1005CH1H020B050BA | C0003CHTE020C030BA | | |
| 2 μι | 1005 | 1005 | 0.50±0.05 | ±0.10pF ±0.25pF | | | |
| | 1600 | 0.00.0.10 | | C1005CH1H020C050BA | | | |
| | 1608 0402 | 0.80±0.10 | ±0.25pF ±0.25pF | C1608CH1H020C080AA | | C0402CH1C2B2C020BC | |
| 2.2 pF | | 0.20±0.02 | | C0603CH1H2R2C030BA | C0602CH1E2B2C020BA | C0402CH1C2R2C020BC | |
| | 0603 | 0.30±0.03 | ±0.25pF | CUUUSCHTHZHZCUSUBA | C0603CH1E2R2C030BA | C0400CLH C020C00DC | |
| | 0402 | 0.20±0.02 | ±0.25pF | 0000001411000000000 | 0000001145000000000 | C0402CH1C030C020BC | |
| | 0603 | | ±0.25pF | C0603CH1H030C030BA | C0603CH1E030C030BA | | |
| 3 pF | 1005 | | ±0.10pF | C1005CH1H030B050BA | | | |
| | 1000 | 0.00.040 | ±0.25pF | C1005CH1H030C050BA | | | |
| | 1608 | 0.80±0.10 | ±0.25pF | C1608CH1H030C080AA | | | |
| 3.3 pF | 0402 | 0.20±0.02 | ±0.25pF | | | C0402CH1C3R3C020BC | |
| | 0603 | 0.30±0.03 | ±0.25pF | C0603CH1H3R3C030BA | C0603CH1E3R3C030BA | | |
| | 0402 | 0.20±0.02 | ±0.25pF | 00000011411040000004 | 000000114504000000 | C0402CH1C040C020BC | |
| | 0603 | 0.30±0.03 | ±0.25pF | C0603CH1H040C030BA | C0603CH1E040C030BA | | |
| 4 pF | 1005 | 0.50±0.05 | ±0.10pF | C1005CH1H040B050BA | | | |
| | | | ±0.25pF | C1005CH1H040C050BA | | | |
| | 1608 | 0.80±0.10 | ±0.25pF | C1608CH1H040C080AA | | | |
| 4.7 pF | 0402 | 0.20±0.02 | ±0.25pF | | | C0402CH1C4R7C020BC | |
| ' | 0603 | 0.30±0.03 | ±0.25pF | C0603CH1H4R7C030BA | C0603CH1E4R7C030BA | | |
| | 0402 | 0.20±0.02 | ±0.25pF | | | C0402CH1C050C020BC | |
| | 0603 | 0.30±0.03 | ±0.25pF | C0603CH1H050C030BA | C0603CH1E050C030BA | | |
| 5 pF | 1005 | 0.50±0.05 | ±0.10pF | C1005CH1H050B050BA | | | |
| | | | ±0.25pF | C1005CH1H050C050BA | | | |
| | 1608 | 0.80±0.10 | ±0.25pF | C1608CH1H050C080AA | | | |
| | 0402 | 0.20±0.02 | ±0.50pF | | | C0402CH1C060D020BC | |
| | 0603 | 0.30±0.03 | ±0.50pF | C0603CH1H060D030BA | C0603CH1E060D030BA | | |
| 6 pF | 1005 | 0.50±0.05 | ±0.25pF | C1005CH1H060C050BA | | | |
| ~ P' | | 0.00±0.00 | ±0.50pF | C1005CH1H060D050BA | | | |
| | 1608 | 1608 0.80±0.10 | ±0.25pF | C1608CH1H060C080AA | | | |
| | 1000 | 0.00±0.10 | ±0.50pF | C1608CH1H060D080AA | | | |
| 6.8 pF | 0402 | 0.20±0.02 | ±0.50pF | | | C0402CH1C6R8D020BC | |
| υ.υ μι | 0603 | 0.30±0.03 | ±0.50pF | C0603CH1H6R8D030BA | C0603CH1E6R8D030BA | | |
| - | 0402 | 0.20±0.02 | ±0.50pF | | | C0402CH1C070D020BC | |
| | 0603 | 0.30±0.03 | ±0.50pF | C0603CH1H070D030BA | C0603CH1E070D030BA | | |
| 7 p= | 1005 | 0.50 - 0.05 | ±0.25pF | C1005CH1H070C050BA | | | |
| 7 pF | 1005 | 0.50±0.05 | ±0.50pF | C1005CH1H070D050BA | | | |
| | 1000 | 0.80±0.10 | ±0.25pF | C1608CH1H070C080AA | | | |
| | 1608 | 0.00±0.10 | ±0.50pF | C1608CH1H070D080AA | | | |
| | - | | | - | | · · · · · · · · · · · · · · · · · · · | |

[■] Gray items: These products are not recommended for new designs.



| Canacitanaa | Dimensions | Thickness | Capacitance _ | Catalog number | | |
|-------------|------------|-----------|--------------------|--|---|--|
| Оараспапсе | | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 25V | Rated voltage Edc: 16V |
| | 0402 | 0.20±0.02 | ±0.50pF | | | C0402CH1C080D020BC |
| | 0603 | 0.30±0.03 | ±0.50pF | C0603CH1H080D030BA | C0603CH1E080D030BA | |
| 8 pF | 1005 | 0.50±0.05 | ±0.25pF | C1005CH1H080C050BA | | |
| | | | ±0.50pF | C1005CH1H080D050BA | | |
| | 1608 | 0.80±0.10 | ±0.25pF ±0.50pF | C1608CH1H080C080AA C1608CH1H080D080AA | | |
| | 0402 | 0.20±0.02 | ±0.50pF | CTOOOCITITIOOODOOOAA | | C0402CH1C090D020BC |
| | 0603 | 0.30±0.03 | ±0.50pF | C0603CH1H090D030BA | C0603CH1E090D030BA | 0040201110030D020D0 |
| | | | ±0.25pF | C1005CH1H090C050BA | 000000111200000000000000000000000000000 | |
| 9 pF | 1005 | 0.50±0.05 | ±0.50pF | C1005CH1H090D050BA | | |
| | | | ±0.25pF | C1608CH1H090C080AA | | |
| | 1608 | 0.80±0.10 | ±0.50pF | C1608CH1H090D080AA | | |
| | 0402 | 0.20±0.02 | ±0.50pF | | | C0402CH1C100D020BC |
| | 0603 | 0.30±0.03 | ±0.50pF | C0603CH1H100D030BA | C0603CH1E100D030BA | |
| 10 | 1005 | 0.50.0.05 | ±0.25pF | C1005CH1H100C050BA | | |
| 10 pF | 1005 | 0.50±0.05 | ±0.50pF | C1005CH1H100D050BA | | |
| | 1600 | 0.00.0.10 | ±0.25pF | C1608CH1H100C080AA | | |
| | 1608 | 0.80±0.10 | ±0.50pF | C1608CH1H100D080AA | | |
| | 0402 | 0.20±0.02 | ±10% | | | C0402CH1C120K020BC |
| | 0402 | 0.20±0.02 | ±5% | | | C0402CH1C120J020BC |
| 12 pF | 0603 | 0.30±0.03 | ±10% | C0603CH1H120K030BA | C0603CH1E120K030BA | |
| 12 pi | | | ±5% | C0603CH1H120J030BA | C0603CH1E120J030BA | |
| | 1005 | 0.50±0.05 | ±5% | C1005CH1H120J050BA | | |
| | 1608 | 0.80±0.10 | ±5% | C1608CH1H120J080AA | | |
| | 0402 | 0.20±0.02 | ±10% | | | C0402CH1C150K020BC |
| | | | ±5% | | | C0402CH1C150J020BC |
| 15 pF | 0603 | 0.30±0.03 | ±10% | C0603CH1H150K030BA | C0603CH1E150K030BA | |
| · | | | ±5% | C0603CH1H150J030BA | C0603CH1E150J030BA | |
| | 1005 | 0.50±0.05 | ±5% | C1005CH1H150J050BA | | |
| | 1608 | 0.80±0.10 | ±5% ±10% | C1608CH1H150J080AA | | 0040001404001/00000 |
| | 0402 | 0.20±0.02 | ±10% | | | C0402CH1C180K020BC C0402CH1C180J020BC |
| | | | ±10% | C0603CH1H180K030BA | C0603CH1E180K030BA | 0040201110100002000 |
| 18 pF | 0603 | 0.30±0.03 | ±5% | C0603CH1H180J030BA | C0603CH1E180J030BA | |
| | 1005 | 0.50±0.05 | ±5% | C1005CH1H180J050BA | 00000011121000000071 | |
| | 1608 | 0.80±0.00 | ±5% | C1608CH1H180J080AA | | |
| | | | ±10% | | | C0402CH1C220K020BC |
| | 0402 | 0.20±0.02 | ±5% | | | C0402CH1C220J020BC |
| | | | ±10% | C0603CH1H220K030BA | C0603CH1E220K030BA | |
| 22 pF | 0603 | 0.30±0.03 | ±5% | C0603CH1H220J030BA | C0603CH1E220J030BA | |
| | 1005 | 0.50±0.05 | ±5% | C1005CH1H220J050BA | | |
| | 1608 | 0.80±0.10 | ±5% | C1608CH1H220J080AA | | |
| | 0400 | 0.20.0.00 | ±10% | | | C0402CH1C270K020BC |
| | 0402 | 0.20±0.02 | ±5% | | | C0402CH1C270J020BC |
| 27 pF | 0603 | 0.30±0.03 | ±10% | C0603CH1H270K030BA | C0603CH1E270K030BA | |
| ∠ı þr | 0003 | 0.00±0.03 | ±5% | C0603CH1H270J030BA | C0603CH1E270J030BA | |
| | 1005 | 0.50±0.05 | ±5% | C1005CH1H270J050BA | | |
| | 1608 | 0.80±0.10 | ±5% | C1608CH1H270J080AA | | |
| | 0402 | 0.20±0.02 | ±10% | | | C0402CH1C330K020BC |
| | | | ±5% | | | C0402CH1C330J020BC |
| 33 pF | 0603 | 0.30±0.03 | ±10% | C0603CH1H330K030BA | C0603CH1E330K030BA | |
| 101 | | | ±5% | C0603CH1H330J030BA | C0603CH1E330J030BA | |
| | 1005 | 0.50±0.05 | ±5% | C1005CH1H330J050BA | | |
| | 1608 | 0.80±0.10 | ±5% | C1608CH1H330J080AA | | |
| | 0402 | 0.20±0.02 | ±10% | | | C0402CH1C390K020BC |
| | | | ±5% | 000000114115557555 | 0000001145 | C0402CH1C390J020BC |
| 39 pF | 0603 | 0.30±0.03 | ±10% | C0603CH1H390K030BA | C0603CH1E390K030BA | |
| • | | | ±5% | C0603CH1H390J030BA | C0603CH1E390J030BA | |
| | 1005 | 0.50±0.05 | ±5% | C1005CH1H390J050BA | | |
| | 1608 | 0.80±0.10 | ±5% | C1608CH1H390J080AA | | |

[■] Gray items: These products are not recommended for new designs.



| 0 | D' | Thickness | Capacitance | Catalog number | | | |
|-------------|--------------|----------------------------|-------------|--|------------------------|--|--|
| Capacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 25V | Rated voltage Edc: 16V | |
| | 0402 | 0.20±0.02 | ±10% | | | C0402CH1C470K020BC | |
| | | | ±5% | 0000001141147014000014 | 00000011454701/000014 | C0402CH1C470J020BC | |
| 47 pF | 0603 | 0.30±0.03 | ±10% | C0603CH1H470K030BA | C0603CH1E470K030BA | | |
| | 1005 | 0.50.005 | ±5% | C0603CH1H470J030BA | C0603CH1E470J030BA | | |
| | 1005 1608 | 0.50±0.05 | ±5% | C1005CH1H470J050BA | | | |
| | 1000 | 0.80±0.10 | ±5% ±10% | C1608CH1H470J080AA | | C0402CH1CEG0V020DC | |
| | 0402 | 0.20±0.02 | ±5% | | | C0402CH1C560K020BC C0402CH1C560J020BC | |
| | | | ±10% | C0603CH1H560K030BA | C0603CH1E560K030BA | 00402011103000020B0 | |
| 56 pF | 0603 1005 | 0.30±0.03 | ±5% | C0603CH1H560J030BA | C0603CH1E560J030BA | | |
| | | 0.50±0.05 | ±5% | C1005CH1H560J050BA | 00000011120000000071 | | |
| | 1608 | 0.80±0.10 | ±5% | C1608CH1H560J080AA | | | |
| | | | ±10% | | | C0402CH1C680K020BC | |
| | 0402 | 0.20±0.02 | ±5% | | | C0402CH1C680J020BC | |
| | | | ±10% | C0603CH1H680K030BA | C0603CH1E680K030BA | | |
| 68 pF | 0603 | 0.30±0.03 | ±5% | C0603CH1H680J030BA | C0603CH1E680J030BA | | |
| | 1005 | 0.50±0.05 | ±5% | C1005CH1H680J050BA | | | |
| | 1608 | 0.80±0.10 | ±5% | C1608CH1H680J080AA | | | |
| | 0402 | 0.20±0.02 | ±10% | | | C0402CH1C820K020BC | |
| | 0402 | 0.20±0.02 | ±5% | | | C0402CH1C820J020BC | |
| 82 pF | 0603 | 0.30±0.03 | ±10% | C0603CH1H820K030BA | C0603CH1E820K030BA | | |
| 02 pi | 0603 | 0.00±0.00 | ±5% | C0603CH1H820J030BA | C0603CH1E820J030BA | | |
| | 1005 | 0.50±0.05 | ±5% | C1005CH1H820J050BA | | | |
| | 1608 | 0.80±0.10 | ±5% | C1608CH1H820J080AA | | | |
| | 0402 | 3 0.30±0.03 5 0.50±0.05 | ±10% | | | C0402CH1C101K020BC | |
| 100 pF | | | ±5% | | | C0402CH1C101J020BC | |
| | 0603 | | ±10% | C0603CH1H101K030BA | C0603CH1E101K030BA | | |
| | | | ±5% | C0603CH1H101J030BA | C0603CH1E101J030BA | | |
| | 1005 | | ±10% | C1005CH1H101K050BA | | | |
| | | | ±5% | C1005CH1H101J050BA | | | |
| | 1608 | | ±10% ±5% | C1608CH1H101K080AA C1608CH1H101J080AA | | | |
| | | | ±10% | C1005CH1H121K050BA | | | |
| | 1005 | 0.50±0.05 | ±5% | C1005CH1H121J050BA | | | |
| 120 pF | 1608 | 8 0.80±0.10 | ±10% | C1608CH1H121K080AA | | | |
| | | | ±5% | C1608CH1H121J080AA | | | |
| | 1005 | | ±10% | C1005CH1H151K050BA | | | |
| 450 5 | 1005 | | ±5% | C1005CH1H151J050BA | | | |
| 150 pF | | | ±10% | C1608CH1H151K080AA | | | |
| | 1608 | 0.80±0.10 | ±5% | C1608CH1H151J080AA | | | |
| | 1005 | 1005 | 0.50.0.05 | ±10% | C1005CH1H181K050BA | | |
| 180 nF | | 0.50±0.05 | ±5% | C1005CH1H181J050BA | | | |
| 180 pF | 1608 | 0.80±0.10 | ±10% | C1608CH1H181K080AA | | | |
| | 1000 | 0.00±0.10 | ±5% | C1608CH1H181J080AA | | | |
| | 1005 | 0.50±0.05 | ±10% | C1005CH1H221K050BA | | | |
| 220 pF | | 0.0020.00 | ±5% | C1005CH1H221J050BA | | | |
| 220 p. | 1608 | 0.80±0.10 | ±10% | C1608CH1H221K080AA | | | |
| | | | ±5% | C1608CH1H221J080AA | | | |
| | 1005 | 0.50±0.05 | ±10% | C1005CH1H271K050BA | | | |
| 270 pF | | 0.0020.00 | ±5% | C1005CH1H271J050BA | | | |
| • | 1608 | 0.80±0.10 | ±10% | C1608CH1H271K080AA | | | |
| | | | ±5% | C1608CH1H271J080AA | | | |
| | 1005 | 0.50±0.05 | ±10% | C1005CH1H331K050BA | | | |
| 330 pF | | | ±5% | C1005CH1H331J050BA | | | |
| | 1608 | 0.80±0.10 | ±10% ±5% | C1608CH1H331K080AA | | | |
| | | | ±5% ±10% | C1608CH1H331J080AA C1005CH1H391K050BA | | | |
| | 1005 | 0.50±0.05 | ±10% ±5% | C1005CH1H391K050BA | | | |
| 390 pF | | | ±5% ±10% | C1608CH1H391K080AA | | | |
| | 1608 | 0.80±0.10 | | C1608CH1H391J080AA | | | |
| | | | ±5% | O 10000011111091000AA | | | |

[■] Gray items: These products are not recommended for new designs.



| Capacitance | Dimensions | Thickness (mm) | Capacitance _ tolerance | Catalog number |
|-------------|------------|-------------------|-------------------------|--|
| | | (111111) | | Rated voltage Edc: 50V C1005CH1H471K050BA |
| | 1005 | 0.50±0.05 | ±10% | |
| 470 pF | | | ±5% | C1005CH1H471J050BA |
| | 1608 | 0.80±0.10 | ±10% ±5% | C1608CH1H471K080AA C1608CH1H471J080AA |
| | | | ±5% ±10% | |
| 560 pF | 1005 | 0.50±0.05 | ±10% ±5% | C1005CH1H561K050BA |
| | | | | C1005CH1H561J050BA |
| | 1608 | 0.80±0.10 | ±10% | C1608CH1H561K080AA |
| | | | ±5% | C1608CH1H561J080AA |
| | 1005 | 0.50±0.05 | ±10% | C1005CH1H681K050BA |
| 680 pF | | | ±5% | C1005CH1H681J050BA |
| | 1608 | 0.80±0.10 | ±10% | C1608CH1H681K080AA |
| | | | ±5% | C1608CH1H681J080AA |
| | 1005 | 0.50±0.05 | ±10% | C1005CH1H821K050BA |
| 820 pF | | | ±5% | C1005CH1H821J050BA |
| • | 1608 | 0.80±0.10 | ±10% | C1608CH1H821K080AA |
| | | | ±5% | C1608CH1H821J080AA |
| | 1005 | 0.50±0.05 | ±10% | C1005CH1H102K050BA |
| | | 0.00_0.00 | ±5% | C1005CH1H102J050BA |
| 1 nF | 1608 | 0.80±0.10 | ±10% | C1608CH1H102K080AA |
| | 1000 | 0.00±0.10 | ±5% | C1608CH1H102J080AA |
| | 2012 | 0.60±0.15 | ±10% | C2012CH1H102K060AA |
| | 2012 | 0.00±0.15 | ±5% | C2012CH1H102J060AA |
| | 1600 | 0.00.0.10 | ±10% | C1608CH1H122K080AA |
| 1.2 nF | 1608 | 0.80±0.10 | ±5% | C1608CH1H122J080AA |
| 1.2 NF | 0010 | 0.00.045 | ±10% | C2012CH1H122K060AA |
| | 2012 | 0.60±0.15 | ±5% | C2012CH1H122J060AA |
| | | | ±10% | C1608CH1H152K080AA |
| 1.5 nF | 1608 | 0.80±0.10 | ±5% | C1608CH1H152J080AA |
| | | | ±10% | C2012CH1H152K060AA |
| | 2012 | 0.60±0.15 | ±5% | C2012CH1H152J060AA |
| | | | ±10% | C1608CH1H182K080AA |
| | 1608 | 0.80±0.10 | ±5% | C1608CH1H182J080AA |
| 1.8 nF | | | ±10% | C2012CH1H182K060AA |
| | 2012 | 0.60±0.15 | ±5% | C2012CH1H182J060AA |
| | | | ±10% | C1608CH1H222K080AA |
| | 1608 | 0.80±0.10 | ±5% | C1608CH1H222J080AA |
| 2.2 nF | | | ±10% | C2012CH1H222K060AA |
| 2.2 111 | 2012 | 0.60±0.15 | ±5% | C2012CH1H222J060AA |
| | 2012 | 0.85±0.15 | ±5% | C2012CH1H222J085AA |
| | | 0.00±0.10 | ±10% | C1608CH1H272K080AA |
| | 1608 | 0.80±0.10 | ±5% | C1608CH1H272J080AA |
| 2.7 nF | | | ±10% | C2012CH1H272K060AA |
| | 2012 | 0.60±0.15 | ±5% | C2012CH1H272J060AA |
| | | | | C1608CH1H332K080AA |
| | 1608 | 0.80±0.10 | ±10% ±5% | C1608CH1H332K080AA C1608CH1H332J080AA |
| 225 | | | | |
| 3.3 nF | 2012 | 0.60±0.15 | ±10% | C2012CH1H332K060AA |
| | 2012 | 1.05.000 | ±5% | C2012CH1H332J060AA |
| | | 1.25±0.20 | ±5% | C2012CH1H332J125AA |
| | 1608 | 0.80±0.10 | ±10% | C1608CH1H392K080AA |
| | | | ±5% | C1608CH1H392J080AA |
| 3.9 nF | 2012 | 0.60±0.15 | ±10% | C2012CH1H392K060AA |
| | | | ±5% | C2012CH1H392J060AA |
| | 3216 | 0.60±0.15 | ±10% | C3216CH1H392K060AA |
| | | | ±5% | C3216CH1H392J060AA |
| | 1608 | 0.80±0.10 | ±10% | C1608CH1H472K080AA |
| | | 0.00±0.10 | ±5% | C1608CH1H472J080AA |
| 4.7 nF | 2012 | 0.60±0.15 | ±10% | C2012CH1H472K060AA |
| !!! | | 0.00±0.10 | ±5% | C2012CH1H472J060AA |
| | 3216 | 0.60±0.15 | ±10% | C3216CH1H472K060AA |
| | 0210 | 0.00±0.10 | ±5% | C3216CH1H472J060AA |
| | | | | |

 $[\]blacksquare$ Gray items: These products are not recommended for new designs.

[■] The red items are products which the production will be stopped.



| Capacitance | Dimensions | Thickness | Capacitance _ | Catalog number | |
|-------------|----------------|-----------|---------------|--|------------------------|
| Сараснансс | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 35V |
| | 1608 | 0.80±0.10 | ±10% | C1608CH1H562K080AA | |
| | | | ±5% | C1608CH1H562J080AA | |
| 5.6 nF | 2012 | 0.60±0.15 | ±10% ±5% | C2012CH1H562K060AA C2012CH1H562J060AA | |
| | | | ±5 % ±10% | C3216CH1H562K060AA | |
| | 3216 | 0.60±0.15 | ±10% | C3216CH1H562J060AA | |
| | | | ±10% | C1608CH1H682K080AA | |
| | 1608 | 0.80±0.10 | ±5% | C1608CH1H682J080AA | |
| | | | ±10% | C2012CH1H682K060AA | |
| 6.8 nF | 2012 | 0.60±0.15 | ±5% | C2012CH1H682J060AA | |
| | 0010 | 0.00.045 | ±10% | C3216CH1H682K060AA | |
| | 3216 | 0.60±0.15 | ±5% | C3216CH1H682J060AA | |
| | 1608 | 0.80±0.10 | ±10% | C1608CH1H822K080AA | |
| | 1000 | 0.00±0.10 | ±5% | C1608CH1H822J080AA | |
| 8.2 nF | 2012 | 0.60±0.15 | ±10% | C2012CH1H822K060AA | |
| 0.2 | | 0.00=00 | ±5% | C2012CH1H822J060AA | |
| | 3216 | 0.60±0.15 | ±10% | C3216CH1H822K060AA | |
| | | | ±5% | C3216CH1H822J060AA | |
| | 1608 | 0.80±0.10 | ±10% | C1608CH1H103K080AA | C1608CH1V103K080AC |
| | | | ±5% | C1608CH1H103J080AA | C1608CH1V103J080AC |
| 10 nF | 2012 | 0.60±0.15 | ±10% | C2012CH1H103K060AA | |
| | | | ±5% ±10% | C2012CH1H103J060AA C3216CH1H103K060AA | |
| | 3216 | 0.60±0.15 | ±10% | C3216CH1H103K060AA | |
| | | | ±10% | 032100111111033000AA | C1608CH1V153K080AC |
| | 2012 | 0.80±0.10 | ±5% | | C1608CH1V153J080AC |
| | | | ±10% | C2012CH1H153K085AA | 010000111 11000000710 |
| 15 nF | | 0.85±0.15 | ±5% | C2012CH1H153J085AA | |
| | | | ±10% | C3216CH1H153K060AA | |
| | 3216 | 0.60±0.15 | ±5% | C3216CH1H153J060AA | |
| - | 1600 | 0.00.0.10 | ±10% | | C1608CH1V183K080AC |
| 10 nE | 2012 | 0.80±0.10 | ±5% | | C1608CH1V183J080AC |
| 18 nF | | 0.60±0.15 | ±10% | | C2012CH1V183K060AC |
| | 2012 | 0.00±0.15 | ±5% | | C2012CH1V183J060AC |
| | | 0.60±0.15 | ±10% | | C2012CH1V223K060AC |
| | 2012 - 3216 | | ±5% | | C2012CH1V223J060AC |
| | | 1.25±0.20 | ±10% | C2012CH1H223K125AA | |
| 22 nF | | | ±5% | C2012CH1H223J125AA | |
| | | 0.60±0.15 | ±10% | C3216CH1H223K060AA | |
| | | | ±5% ±10% | C3216CH1H223J060AA C3225CH1H223K125AA | |
| | 3225 | 1.25±0.20 | ±10% | C3225CH1H223J125AA | |
| | | | ±10% | 00223011111223012374 | C2012CH1V273K060AC |
| 27 nF | 2012 | 0.60±0.15 | ±5% | | C2012CH1V273J060AC |
| | | | ±10% | | C2012CH1V303K060AC |
| 30 nF | 2012 | 0.60±0.15 | ±5% | | C2012CH1V303J060AC |
| | 0010 | 1.05.0.00 | ±10% | C2012CH1H333K125AA | |
| | 2012 | 1.25±0.20 | ±5% | C2012CH1H333J125AA | |
| 33 nF | 3216 | 0.85±0.15 | ±10% | C3216CH1H333K085AA | |
| 00 111 | 0210 | 0.00±0.13 | ±5% | C3216CH1H333J085AA | |
| | 3225 | 1.60±0.20 | ±10% | C3225CH1H333K160AA | |
| | | | ±5% | C3225CH1H333J160AA | |
| | 3216 | 1.15±0.15 | ±10% | C3216CH1H473K115AA | |
| | | | ±5% | C3216CH1H473J115AA | |
| 47 nF | 3225 | 2.00±0.20 | ±10% | C3225CH1H473K200AA | |
| | | | ±5% | C3225CH1H473J200AA | |
| | 4532 | 1.60±0.20 | ±10% | C4532CH1H473K160KA | |
| | | | ±5% ±10% | C4532CH1H473J160KA C3216CH1H683K160AA | |
| | 3216 | 1.60±0.20 | ±10% | C3216CH1H683J160AA | |
| | | | ±10% | C3225CH1H683K200AA | |
| 68 nF | 3225 | 2.00±0.20 | ±5% | C3225CH1H683J200AA | |
| | 4=0- | | ±10% | C4532CH1H683K160KA | |
| | 4532 | 1.60±0.20 | ±5% | C4532CH1H683J160KA | |
| | | | ** | | |

[■] Gray items: These products are not recommended for new designs.



| Capacitance | Dimensions | Thickness (mm) | Capacitance _ tolerance | Catalog number Rated voltage Edc: 50V |
|-------------|------------|----------------|-------------------------|---------------------------------------|
| | 3216 | 1.60±0.20 | ±10% | C3216CH1H104K160AA |
| | 3210 | 1.00±0.20 | ±5% | C3216CH1H104J160AA |
| 100 nF | 3225 | 2.50±0.30 | ±10% | C3225CH1H104K250AA |
| 100 11 | 3223 | 2.50±0.50 | ±5% | C3225CH1H104J250AA |
| | 4532 | 2.00±0.20 | ±10% | C4532CH1H104K200KA |
| | 4552 | 2.00±0.20 | ±5% | C4532CH1H104J200KA |
| 150 nF | 4532 | 2.50±0.30 | ±10% | C4532CH1H154K250KA |
| 150 11 | 4532 | 2.50±0.30 | ±5% | C4532CH1H154J250KA |
| 220 nF | 4532 | 3.20±0.30 | ±10% | C4532CH1H224K320KA |
| 220111 | 4002 | 5.20±0.30 | ±5% | C4532CH1H224J320KA |

[■] Gray items: These products are not recommended for new designs.

| Canacitance | Dimensions | Thickness | Capacitance _ | Catalog number | | | |
|--|--------------|-----------|---------------|-------------------------------|--|------------------------|--|
| oapaonanoc | Difficitions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 25V | Rated voltage Edc: 16V | |
| | 0402 | 0.20±0.02 | ±10% | | | C0402JB1C101K020BC | |
| 100 pF | 0.02 | 0.2020.02 | ±20% | | | C0402JB1C101M020BC | |
| 100 pF 150 pF 220 pF 330 pF 470 pF 680 pF 1 nF 1.5 nF 2.2 nF 3.3 nF 4.7 nF | 0603 | 0.30±0.03 | ±10% | | C0603JB1E101K030BA | | |
| | 0003 | 0.00±0.00 | ±20% | | C0603JB1E101M030BA | | |
| | 0402 | 0.20±0.02 | ±10% | | | C0402JB1C151K020BC | |
| 150 pF | 0102 | 0.20±0.02 | ±20% | | | C0402JB1C151M020BC | |
| 130 рі | 0603 | 0.30±0.03 | ±10% | | C0603JB1E151K030BA | | |
| | 0000 | 0.00±0.00 | ±20% | | C0603JB1E151M030BA | | |
| | 0402 | 0.20±0.02 | ±10% | | | C0402JB1C221K020BC | |
| | 0402 | 0.20±0.02 | ±20% | | | C0402JB1C221M020BC | |
| 220 nF | 0603 | 0.30±0.03 | ±10% | | C0603JB1E221K030BA | | |
| 220 pr | 0003 | 0.30±0.03 | ±20% | | C0603JB1E221M030BA | | |
| | 1005 | 0.50±0.05 | ±10% | C1005JB1H221K050BA | | | |
| | 1005 | 0.50±0.05 | ±20% | C1005JB1H221M050BA | | | |
| | 0402 | 0.00.0.00 | ±10% | | | C0402JB1C331K020BC | |
| | 0402 | 0.20±0.02 | ±20% | | | C0402JB1C331M020BC | |
| 220 - 5 | 0600 | 00000 | ±10% | | C0603JB1E331K030BA | | |
| 330 pF | 0603 | 0.30±0.03 | ±20% | | C0603JB1E331M030BA | | |
| | 1005 | 0.50.00= | ±10% | C1005JB1H331K050BA | | | |
| | 1005 | 0.50±0.05 | ±20% | C1005JB1H331M050BA | | | |
| | 0.400 | | ±10% | | | C0402JB1C471K020BC | |
| | 0402 | 0.20±0.02 | ±20% | | | C0402JB1C471M020BC | |
| | 0603 | 0.30±0.03 | ±10% | | C0603JB1E471K030BA | | |
| 470 pF | | | ±20% | | C0603JB1E471M030BA | | |
| | | | ±10% | C1005JB1H471K050BA | | | |
| | 1005 | 0.50±0.05 | ±20% | C1005JB1H471M050BA | | | |
| | | | ±10% | 0.00002 | | C0402JB1C681K020BC | |
| | 0402 | 0.20±0.02 | ±20% | | | C0402JB1C681M020BC | |
| | | | ±10% | | C0603JB1E681K030BA | 00.0202.00002020 | |
| 680 pF | 0603 | 0.30±0.03 | ±20% | | C0603JB1E681M030BA | | |
| | 1005 | 0.50±0.05 | ±10% | C1005JB1H681K050BA | COCCOOLITECTINICOCDA | | |
| | | | ±20% | C1005JB1H681M050BA | | | |
| | | | ±10% | O TOOGOD TI TOO TIMOOODAY | C0603JB1E102K030BA | | |
| | 0603 | 0.30±0.03 | ±20% | | C0603JB1E102M030BA | | |
| 1 nF | 1005 | | ±10% | C1005JB1H102K050BA | OOOOOD TE TOZINIOOODA | | |
| | | 1005 | 1005 | 0.50±0.05 | ±20% | C1005JB1H102M050BA | |
| | | | ±10% | C10033B111102W030BA | C0603JB1E152K030BA | | |
| | 0603 | 0603 | 0.30±0.03 | | | C0603JB1E152M030BA | |
| 1.5 nF | | | ±20% ±10% | C1005JB1H152K050BA | C06033B1E132M030BA | | |
| | 1005 | 0.50±0.05 | ±10% | | | | |
| | | | | C1005JB1H152M050BA | C0000 IB4 F000K000BA | | |
| 2.2 nF | 0603 | 0.30±0.03 | ±10% | | C0603JB1E222K030BA C0603JB1E222M030BA | | |
| | | | ±20% | C1005 ID11 I000K050DA | C0603JB1E222IVI030BA | | |
| | 1005 | 0.50±0.05 | ±10% | C1005JB1H222K050BA | | | |
| | | | ±20% | C1005JB1H222M050BA | 00000 ID4E0001/000D | | |
| | 0603 | 0.30±0.03 | ±10% | | C0603JB1E332K030BA | | |
| 3.3 nF | | | ±20% | 0.1005 D.1 1000 (0.555) | C0603JB1E332M030BA | | |
| | 1005 | 0.50±0.05 | ±10% | C1005JB1H332K050BA | | | |
| | | 0.50±0.05 | ±20% | C1005JB1H332M050BA | | | |
| | 0603 | 0.30±0.03 | ±10% | | | C0603JB1C472K030BA | |
| 4.7 nF | | | ±20% | | | C0603JB1C472M030BA | |
| | 1005 | 0.50±0.05 | ±10% | C1005JB1H472K050BA | | | |
| | | | ±20% | C1005JB1H472M050BA | | | |

[■] Gray items: These products are not recommended for new designs.

Please be sure to request delivery specifications that provide further details on the features and specifications of the products for proper and safe use. Please note that the contents may change without any prior notice due to reasons such as upgrading.



| 0 " | 5 | Thickness | Capacitance | Catalog number | | | |
|-------------|------------|-----------|-------------|------------------------|------------------------|------------------------|------------------------|
| Capacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 35V | Rated voltage Edc: 25V | Rated voltage Edc: 16V |
| 6.8 nF | 1005 | 0.50±0.05 | ±10% | C1005JB1H682K050BA | | | |
| 0.0 111 | 1005 | 0.50±0.05 | ±20% | C1005JB1H682M050BA | | | |
| | 1005 | 0.50±0.05 | ±10% | C1005JB1H103K050BB | | C1005JB1E103K050BA | |
| 10 nF - | | 0.00=0.00 | ±20% | C1005JB1H103M050BB | | C1005JB1E103M050BA | |
| | 1608 | 0.80±0.10 | ±10% | C1608JB1H103K080AA | | | |
| | | | ±20% | C1608JB1H103M080AA | | | |
| | 1005 | 0.50±0.05 | ±10% | C1005JB1H153K050BB | | C1005JB1E153K050BA | C1005JB1C153K050BA |
| 15 nF | | | ±20% | C1005JB1H153M050BB | | C1005JB1E153M050BA | C1005JB1C153M050BA |
| | 1608 | 0.80±0.10 | ±10% | C1608JB1H153K080AA | | | |
| | | | ±20% | C1608JB1H153M080AA | | | |
| | 0603 | 0.30±0.03 | ±10% | | | C0603JB1E223K030BB | |
| | | | ±20% | | | C0603JB1E223M030BB | |
| 22 nF | 1005 | 0.50±0.05 | ±10% | C1005JB1H223K050BB | | C1005JB1E223K050BA | C1005JB1C223K050BA |
| | | | ±20% | C1005JB1H223M050BB | | C1005JB1E223M050BA | C1005JB1C223M050BA |
| | 1608 | 0.80±0.10 | ±10% | C1608JB1H223K080AA | | | |
| | | | ±20% | C1608JB1H223M080AA | | | |
| | 1005 | 0.50±0.05 | ±10% | C1005JB1H333K050BB | | C1005JB1E333K050BA | C1005JB1C333K050BA |
| 33 nF | | | ±20% | C1005JB1H333M050BB | | C1005JB1E333M050BA | C1005JB1C333M050BA |
| | 1608 | 0.80±0.10 | ±10% | C1608JB1H333K080AA | | | |
| | | | ±20% | C1608JB1H333M080AA | | | |
| | 0603 | 0.30±0.03 | ±10% | | | C0603JB1E473K030BB | |
| | | | ±20% | | | C0603JB1E473M030BB | |
| 47 nF | 1005 | 0.50±0.05 | ±10% | C1005JB1H473K050BB | | C1005JB1E473K050BA | C1005JB1C473K050BA |
| | | | ±20% | C1005JB1H473M050BB | | C1005JB1E473M050BA | C1005JB1C473M050BA |
| | 1608 | 0.80±0.10 | ±10% | C1608JB1H473K080AA | | | |
| | | | ±20% | C1608JB1H473M080AA | | | |
| 68 nF — | 1005 | 0.50±0.05 | ±10% | C1005JB1H683K050BB | C1005JB1V683K050BB | C1005JB1E683K050BC | C1005JB1C683K050BA |
| | | | ±20% | C1005JB1H683M050BB | C1005JB1V683M050BB | C1005JB1E683M050BC | C1005JB1C683M050BA |
| | 1608 | 0.80±0.10 | ±10% | C1608JB1H683K080AA | | | |
| | | | ±20% | C1608JB1H683M080AA | | | |
| - | 0603 | 0.30±0.03 | ±10% | | | C0603JB1E104K030BB | C0603JB1C104K030BC |
| | | | ±20% | | | C0603JB1E104M030BB | C0603JB1C104M030BC |
| | 1005 | 0.50±0.05 | ±10% | C1005JB1H104K050BB | C1005JB1V104K050BB | C1005JB1E104K050BC | C1005JB1C104K050BA |
| 100 nF | | | ±20% | C1005JB1H104M050BB | C1005JB1V104M050BB | C1005JB1E104M050BC | C1005JB1C104M050BA |
| | 1608 | 0.80±0.10 | ±10% | C1608JB1H104K080AA | | | |
| | | | ±20% | C1608JB1H104M080AA | | | |
| | 2012 | 0.85±0.15 | ±10% | C2012JB1H104K085AA | | | |
| | | | ±20% | C2012JB1H104M085AA | | | |
| | | 0.30±0.03 | ±10% | | | | C0603JB1C154K030BC |
| | 0603 — | | ±20% | | | | C0603JB1C154M030BC |
| | | 0.30±0.05 | ±10% | | | C0603JB1E154K030BC | |
| | | | ±20% | | | C0603JB1E154M030BC | |
| 150 nF | 1005 | 0.50±0.05 | ±10% | | | C1005JB1E154K050BC | C1005JB1C154K050BB |
| | | | ±20% | | | C1005JB1E154M050BC | C1005JB1C154M050BB |
| | 1608 | 0.80±0.10 | ±10% | C1608JB1H154K080AB | C1608JB1V154K080AB | C1608JB1E154K080AA | |
| | | | ±20% | C1608JB1H154M080AB | C1608JB1V154M080AB | C1608JB1E154M080AA | |
| | 2012 | 0.85±0.15 | ±10% | C2012JB1H154K085AA | | | |
| | | | ±20% | C2012JB1H154M085AA | | | |
| | | 0.30±0.03 | ±10% | | | | C0603JB1C224K030BC |
| | 0603 | | ±20% | | | | C0603JB1C224M030BC |
| | | 0.30±0.05 | ±10% | | | C0603JB1E224K030BC | |
| | | | ±20% | | | C0603JB1E224M030BC | |
| 220 nF | 1005 | 0.50±0.05 | ±10% | | | C1005JB1E224K050BC | C1005JB1C224K050BB |
| | | | ±20% | | | C1005JB1E224M050BC | C1005JB1C224M050BB |
| | 1608 | 0.80±0.10 | ±10% | C1608JB1H224K080AB | C1608JB1V224K080AB | C1608JB1E224K080AA | |
| | | | ±20% | C1608JB1H224M080AB | C1608JB1V224M080AB | C1608JB1E224M080AA | |
| | 2012 | 1.25±0.20 | ±10% | C2012JB1H224K125AA | | | |
| | | | ±20% | C2012JB1H224M125AA | | | |
| | 1005 | 0.50±0.05 | ±10% | | C1005JB1V334K050BC | C1005JB1E334K050BB | C1005JB1C334K050BC |
| 330 nF | | | ±20% | | C1005JB1V334M050BC | C1005JB1E334M050BB | C1005JB1C334M050BC |
| | 1608 | 0.80±0.10 | ±10% | C1608JB1H334K080AB | C1608JB1V334K080AB | C1608JB1E334K080AC | C1608JB1C334K080AA |
| | | | ±20% | C1608JB1H334M080AB | C1608JB1V334M080AB | C1608JB1E334M080AC | C1608JB1C334M080AA |

[■] Gray items: These products are not recommended for new designs.



| apacitance l | Dimensions | Thickness (mm) | Capacitance _ tolerance | Catalog number Rated voltage Edc: 50V | Rated voltage Edc: 35V | Rated voltage Edc: 25V | Rated voltage Edc: 16\ |
|--------------|------------|-------------------------------------|--|---|--|--|--|
| 330 nF | 2012 | 1.25±0.20 | ±10% | C2012JB1H334K125AA | | | |
| 330 111 | 2012 | 1.25±0.20 | ±20% | C2012JB1H334M125AA | | | |
| | 1005 | 0.50±0.05 | ±10% | | C1005JB1V474K050BC | C1005JB1E474K050BB | C1005JB1C474K050BC |
| | | | ±20% | | C1005JB1V474M050BC | C1005JB1E474M050BB | C1005JB1C474M050BC |
| 470 nF | 1608 | 0.80±0.10 | ±10% | C1608JB1H474K080AB | C1608JB1V474K080AB | C1608JB1E474K080AC | C1608JB1C474K080AA |
| - | | | ±20% | C1608JB1H474M080AB | C1608JB1V474M080AB | C1608JB1E474M080AC | C1608JB1C474M080AA |
| | 2012 | 1.25±0.20 | ±10% | C2012JB1H474K125AB | | | |
| | | | ±20% | C2012JB1H474M125AB | 04005 ID41/004/050B0 | 04005 ID45004K050D0 | 04005 10400041405000 |
| | 1005 | 0.50±0.05 | ±10% ±20% | | C1005JB1V684K050BC | C1005JB1E684K050BC | C1005JB1C684K050BC C1005JB1C684M050BC |
| - | | | ±20% | C1608JB1H684K080AB | C1005JB1V684M050BC C1608JB1V684K080AB | C1005JB1E684M050BC C1608JB1E684K080AC | C1608JB1C684K080AA |
| 680 nF | 1608 | 0.80±0.10 | ±10% | C1608JB1H684M080AB | C1608JB1V684M080AB | C1608JB1E684M080AC | C1608JB1C684M080AA |
| = | | | ±20% | C2012JB1H684K125AB | C10000B1V004W000AB | C2012JB1E684K125AA | C 10003D 1C004W000AA |
| | 2012 | 1.25±0.20 | ±10% | C2012JB1H684M125AB | | C2012JB1E684M125AA | |
| | | | ±20% | 020120D111004W1120AD | C1005JB1V105K050BC | C1005JB1E105K050BC | C1005JB1C105K050B0 |
| | 1005 | 0.50±0.05 | ±10% | | C1005JB1V105M050BC | C1005JB1E105M050BC | C1005JB1C105M050BC |
| - | | | ±20% | C1608JB1H105K080AB | C1608JB1V105K080AB | C1608JB1E105K080AC | C1608JB1C105K080AA |
| | 1608 | 0.80±0.10 | ±20% | C1608JB1H105M080AB | C1608JB1V105M080AB | C1608JB1E105M080AC | C1608JB1C105M080AA |
| - | | | ±10% | C2012JB1H105K085AB | C2012JB1V105K085AB | C2012JB1E105K085AC | C2012JB1C105K085AA |
| 1 μF | | 0.85±0.15 | ±20% | C2012JB1H105M085AB | C2012JB1V105M085AB | C2012JB1E105M085AC | C2012JB1C105M085A |
| | 2012 | | ±20% | C2012JB1H105K125AB | 320120D1 ¥ 100101000AD | C2012JB1E105K125AA | 320120D10100W003A/ |
| | | 1.25±0.20 | ±20% | C2012JB1H105M125AB | | C2012JB1E105M125AA | |
| 32 | | | ±10% | C3216JB1H105K160AA | | 320.200.2100W120W | |
| | 3216 | 1.60±0.20 | ±20% | C3216JB1H105M160AA | | | |
| | | | ±10% | 0021002111100111100711 | | | C1005JB1C155K050B0 |
| 1.5 μF | | 0.50±0.05 | ±20% | | | | C1005JB1C155M050B0 |
| | | | ±10% | | | C1005JB1E155K050BC | |
| | 1005 | 0.50±0.10 | ±20% | | | C1005JB1E155M050BC | |
| | | | +10% | | C1005JB1V155K050BC | | |
| | | 0.50+0.15, -0.10 | ±20% | | C1005JB1V155M050BC | | |
| | | | ±10% | | C1608JB1V155K080AC | C1608JB1E155K080AB | C1608JB1C155K080AE |
| | 1608 | 0.80±0.10 | ±20% | | C1608JB1V155M080AC | C1608JB1E155M080AB | C1608JB1C155M080AB |
| | | | ±10% | | | C2012JB1E155K085AC | |
| | | 0.85±0.15 | ±20% | | | C2012JB1E155M085AC | |
| | 2012 | | ±10% | C2012JB1H155K125AB | C2012JB1V155K125AB | C2012JB1E155K125AB | C2012JB1C155K125AA |
| | | 1.25±0.20 | ±20% | C2012JB1H155M125AB | C2012JB1V155M125AB | C2012JB1E155M125AB | C2012JB1C155M125A/ |
| = | | | ±10% | C3216JB1H155K160AB | | C3216JB1E155K160AA | |
| | 3216 | 1.60±0.20 | ±20% | C3216JB1H155M160AB | | C3216JB1E155M160AA | |
| | | | ±10% | | | | C1005JB1C225K050B0 |
| | | 0.50±0.05 | ±20% | | | | C1005JB1C225M050B0 |
| | | 0.50.010 | ±10% | | | C1005JB1E225K050BC | |
| | 1005 | 0.50±0.10 | ±20% | | | C1005JB1E225M050BC | |
| | | 0.50.045.040 | ±10% | | C1005JB1V225K050BC | | |
| | | 0.50+0.15, -0.10 | ±20% | | C1005JB1V225M050BC | | |
| - | 4000 | 0.00.010 | ±10% | | C1608JB1V225K080AC | C1608JB1E225K080AB | C1608JB1C225K080AE |
| 0.0 | 1608 | 0.80±0.10 | ±20% | | C1608JB1V225M080AC | C1608JB1E225M080AB | C1608JB1C225M080AB |
| 2.2 μF | | 0.05 : 0.45 | ±10% | C2012JB1H225K085AB | C2012JB1V225K085AB | C2012JB1E225K085AB | C2012JB1C225K085A0 |
| | 0010 | 0.85±0.15 | ±20% | C2012JB1H225M085AB | C2012JB1V225M085AB | C2012JB1E225M085AB | C2012JB1C225M085A0 |
| | 2012 | 1.05 : 0.00 | ±10% | C2012JB1H225K125AB | C2012JB1V225K125AB | C2012JB1E225K125AC | C2012JB1C225K125A/ |
| | | 1.25±0.20 | ±20% | C2012JB1H225M125AB | C2012JB1V225M125AB | C2012JB1E225M125AC | C2012JB1C225M125A |
| - | 0010 | 1.00.0.00 | ±10% | C3216JB1H225K160AB | | C3216JB1E225K160AA | |
| | 3216 | 1.60±0.20 | ±20% | C3216JB1H225M160AB | | C3216JB1E225M160AA | |
| - | 0005 | 0.00.0.00 | ±10% | C3225JB1H225K200AA | | | |
| | 3225 | 2.00±0.20 | ±20% | C3225JB1H225M200AA | | | |
| | | | . 100/ | | | C1608JB1E335K080AC | C1608JB1C335K080A0 |
| | | 0.80±0.10 | ±10% | | | C1608JB1E335M080AC | C1600 ID1C22EM000A |
| | 1000 | 0.80±0.10 | ±10% ±20% | | | 010000D1E000W000A0 | C 10000D I C333IVIO00A |
| | 1608 | | | | C1608JB1V335K080AC | CTOOODTEOGSWOOOAC | C 1000JB 1C333W000A |
| | 1608 | 0.80±0.10 0.80±0.20 | ±20% | | C1608JB1V335K080AC C1608JB1V335M080AC | CTOOODTECCOMOGOAC | C TOUGUE TC333WUGUAN |
| | 1608 | 0.80±0.20 | ±20% ±10% | | | OTOGODIEGOSMOGOAO | |
| | 1608 | | ±20% ±10% ±20% | | | OTOGODETESSONIOGAC | C2012JB1C335K060A0 |
| 3.3 μF | | 0.80±0.20 0.60±0.15 | ±20% ±10% ±20% ±10% | | | C2012JB1E335K085AC | C2012JB1C335K060A0 C2012JB1C335M060A0 |
| 3.3 μF | 1608 | 0.80±0.20 | ±20% ±10% ±20% ±10% ±20% ±10% | | | | C2012JB1C335K060A(C2012JB1C335M060A(C2012JB1C335K085AI |
| - 3.3 μF | | 0.80±0.20 0.60±0.15 0.85±0.15 | ±20% ±10% ±20% ±10% ±20% ±10% ±20% | C2012JB1H335K125AR | C1608JB1V335M080AC | C2012JB1E335K085AC C2012JB1E335M085AC | C2012JB1C335K060A(C2012JB1C335M060A(C2012JB1C335K085AI C2012JB1C335M085A(|
| 3.3 μF | | 0.80±0.20 0.60±0.15 | ±20% ±10% ±20% ±10% ±20% ±10% ±20% ±10% | C2012JB1H335K125AB C2012JB1H335M125AB | C1608JB1V335M080AC C2012JB1V335K125AC | C2012JB1E335K085AC C2012JB1E335M085AC C2012JB1E335K125AB | C2012JB1C335K060AC C2012JB1C335M060AC C2012JB1C335K085AE C2012JB1C335M085AI C2012JB1C335K125AC |
| 3.3 μF | | 0.80±0.20 0.60±0.15 0.85±0.15 | ±20% ±10% ±20% ±10% ±20% ±10% ±20% | C2012JB1H3335K125AB C2012JB1H335M125AB C3216JB1H335K160AB | C1608JB1V335M080AC | C2012JB1E335K085AC C2012JB1E335M085AC | C2012JB1C335M080A0 C2012JB1C335K060A0 C2012JB1C335K086A0 C2012JB1C335K085A0 C2012JB1C335M085A0 C2012JB1C335K125A0 C2012JB1C335K125A0 |

[■] Gray items: These products are not recommended for new designs.



| ^anaaitanaa | Dimensions | Thickness | Capacitance | Catalog number | | | |
|-------------|--------------|-------------|--------------|--------------------------|------------------------|--|------------------------|
| гараспапсе | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 35V | Rated voltage Edc: 25V | Rated voltage Edc: 16V |
| 3.3 µF | 3225 | 2.50±0.30 | ±10% | C3225JB1H335K250AA | | | |
| 0.0 μι | 0220 | 2.0010.00 | ±20% | C3225JB1H335M250AA | | | |
| | | 0.80±0.10 | ±10% | | | C1608JB1E475K080AC | C1608JB1C475K080AC |
| | 1608 — | 0.00_00 | ±20% | | | C1608JB1E475M080AC | C1608JB1C475M080AC |
| | | 0.80±0.20 | ±10% | | C1608JB1V475K080AC | | |
| | | 0.0020.20 | ±20% | | C1608JB1V475M080AC | | |
| | | 0.60±0.15 | ±10% | | | | C2012JB1C475K060AC |
| | | | ±20% | | | | C2012JB1C475M060AC |
| | 2012 | 0.85±0.15 | ±10% | | | C2012JB1E475K085AC | C2012JB1C475K085AB |
| | | | ±20% | | | C2012JB1E475M085AC | C2012JB1C475M085AB |
| 4.7 μF | | 1.25±0.20 | ±10% | C2012JB1H475K125AB | C2012JB1V475K125AC | C2012JB1E475K125AB | C2012JB1C475K125AC |
| , | | | ±20% | C2012JB1H475M125AB | C2012JB1V475M125AC | C2012JB1E475M125AB | C2012JB1C475M125AC |
| | | 0.85±0.15 | ±10% | C3216JB1H475K085AB | C3216JB1V475K085AB | C3216JB1E475K085AB | |
| | | | ±20% | C3216JB1H475M085AB | C3216JB1V475M085AB | C3216JB1E475M085AB | |
| | 3216 | 1.15±0.15 | ±10% | | | C3216JB1E475K115AB | |
| | _ | | ±20% | | | C3216JB1E475M115AB | |
| | | 1.60±0.20 | ±10% | C3216JB1H475K160AB | C3216JB1V475K160AB | C3216JB1E475K160AA | |
| | | | ±20% | C3216JB1H475M160AB | C3216JB1V475M160AB | C3216JB1E475M160AA | |
| | 3225 | 2.50±0.30 | ±10% | C3225JB1H475K250AB | | | |
| | | | ±20% | C3225JB1H475M250AB | | | |
| | 1608 | 0.80±0.20 | ±10% | | | C1608JB1E685K080AC | C1608JB1C685K080AB |
| | | | ±20% | | | C1608JB1E685M080AC | C1608JB1C685M080AB |
| - 6.8 μF | | 0.85±0.15 | ±10% | | | | C2012JB1C685K085AC |
| | 2012 — | | ±20% | | | | C2012JB1C685M085AC |
| | | 1.25±0.20 | ±10% | | C2012JB1V685K125AC | C2012JB1E685K125AC | C2012JB1C685K125AC |
| | | | ±20% | | C2012JB1V685M125AC | C2012JB1E685M125AC | C2012JB1C685M125AB |
| | 3216 | 1.60±0.20 | ±10% | C3216JB1H685K160AB | C3216JB1V685K160AB | C3216JB1E685K160AB | C3216JB1C685K160AA |
| | | | ±20% | C3216JB1H685M160AB | C3216JB1V685M160AB | C3216JB1E685M160AB | C3216JB1C685M160AA |
| | | 2.00±0.20 | ±10% | | | C3225JB1E685K200AA | C3225JB1C685K200AA |
| | 3225 — | | ±20% | | | C3225JB1E685M200AA | C3225JB1C685M200AA |
| | | 2.50±0.30 | ±10% | C3225JB1H685K250AB | | | |
| | | | ±20% | C3225JB1H685M250AB | | | |
| | 4532 | 2.50±0.30 | ±10% | C4532JB1H685K250KA | | | |
| | | | ±20% | C4532JB1H685M250KA | | | |
| | 1608 | 0.80±0.20 | ±20% | | | C1608JB1E106M080AC | C1608JB1C106M080AB |
| | | 0.85±0.15 | ±10% | | C2012JB1V106K085AC | C2012JB1E106K085AC | C2012JB1C106K085AC |
| | 2012 — | | ±20% | | C2012JB1V106M085AC | C2012JB1E106M085AC | C2012JB1C106M085AC |
| | | 1.25±0.20 | ±10% | | C2012JB1V106K125AC | C2012JB1E106K125AB | C2012JB1C106K125AB |
| | | | ±20% | | C2012JB1V106M125AC | C2012JB1E106M125AB | C2012JB1C106M125AB |
| | | 0.85±0.15 | ±10% | | | C3216JB1E106K085AC | C3216JB1C106K085AB |
| 40 - | 3216 — | | ±20% | 00040104144001440040 | 00040 104144001440040 | C3216JB1E106M085AC | C3216JB1C106M085AB |
| 10 μF | | 1.60±0.20 | ±10% | C3216JB1H106K160AB | C3216JB1V106K160AB | C3216JB1E106K160AB | C3216JB1C106K160AA |
| | | | ±20% | C3216JB1H106M160AB | C3216JB1V106M160AB | C3216JB1E106M160AB | C3216JB1C106M160AA |
| | | 2.00±0.20 | ±10% | | | | C3225JB1C106K200AA |
| | 3225 — | | ±20% | 00005 1041 14001/050 4.0 | | 00005 ID4E4001/0504 A | C3225JB1C106M200AA |
| | | 2.50±0.30 | ±10% | C3225JB1H106K250AB | | C3225JB1E106K250AA | |
| | | | ±20% | C3225JB1H106M250AB | | C3225JB1E106M250AA | |
| | 4532 | 2.50±0.30 | ±10% | | | C4532JB1E106K250KA | |
| | 2012 | 1.05 - 0.00 | ±20% | | C0010 ID1\/150M105A0 | C4532JB1E106M250KA | C0010 ID10150M10540 |
| | 2012 | 1.25±0.20 | ±20% | | C2012JB1V156M125AC | C2012JB1E156M125AC | C2012JB1C156M125AC |
| 15 µF | 3216 | 1.60±0.20 | ±20% ±20% | | C3216JB1V156M160AC | C3216JB1E156M160AB | C3216JB1C156M160AB |
| | 3225 | 2.50±0.30 | | | | CAESS ID1E1ESMOESKA | C3225JB1C156M250AA |
| | 4532 3216 | 2.50±0.30 | ±20% ±20% | | C2216 IR1\/226\/160\/C | C4532JB1E156M250KA | C3216JB1C226M160AB |
| | | 1.60±0.20 | | | C3216JB1V226M160AC | C3216JB1E226M160AB | |
| 22 1.5 | 3225 | 2.50±0.30 | ±20% | | | | C3225JB1C226M250AA |
| 22 µF | 4532 - | 2.00±0.20 | ±20% | | | C4500 ID15000M050K4 | C4532JB1C226M200KA |
| | E750 | 2.50±0.30 | ±20% ±20% | | | C4532JB1E226M250KA C5750JB1E226M250KA | |
| | 5750 | 2.50±0.30 | ±∠U% | | | OS/SOUD IEZZOWIZSUNA | |

[■] Gray items: These products are not recommended for new designs.



| Consoitones | Dimensions | Thickness | Capacitance | Catalog number | | |
|-------------|------------|-----------|-------------|------------------------|------------------------|--|
| Сараспапсе | Dimensions | (mm) | tolerance | Rated voltage Edc: 25V | Rated voltage Edc: 16V | |
| 33 µF | 3216 | 1.60±0.20 | ±20% | C3216JB1E336M160AC | C3216JB1C336M160AB | |
| | 4532 | 2.50±0.30 | ±20% | | C4532JB1C336M250KA | |

| 0 | Dimensions | Thickness | Capacitance | Catalog number | | |
|-------------|------------|----------------|-------------|------------------------|-------------------------|-----------------------|
| Capacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 10V | Rated voltage Edc: 6.3V | Rated voltage Edc: 4V |
| 1 nF | 0402 | 0.20±0.02 | ±10% | C0402JB1A102K020BC | C0402JB0J102K020BC | C0402JB0G102K020BC |
| INF | 0402 | 0.20±0.02 | ±20% | C0402JB1A102M020BC | C0402JB0J102M020BC | C0402JB0G102M020BC |
| 1.5 nF | 0402 | 0.20±0.02 | ±10% | C0402JB1A152K020BC | C0402JB0J152K020BC | C0402JB0G152K020BC |
| 1.511 | 0402 | 0.20±0.02 | ±20% | C0402JB1A152M020BC | C0402JB0J152M020BC | C0402JB0G152M020BC |
| 2.2 nF | 0402 | 0.20±0.02 | ±10% | C0402JB1A222K020BC | C0402JB0J222K020BC | C0402JB0G222K020BC |
| 2.2111 | 0402 | 0.20±0.02 | ±20% | C0402JB1A222M020BC | C0402JB0J222M020BC | C0402JB0G222M020BC |
| 6.8 nF | 0603 | 0.30±0.03 | ±10% | C0603JB1A682K030BA | | |
| 0.611 | 0003 | 0.30±0.03 | ±20% | C0603JB1A682M030BA | | |
| 10 nF | 0603 | 0.30±0.03 | ±10% | C0603JB1A103K030BA | | |
| 10 111 0003 | | 0.30±0.03 | ±20% | C0603JB1A103M030BA | | |
| 15 nF | 0603 | 0.30±0.03 | ±10% | C0603JB1A153K030BC | C0603JB0J153K030BA | |
| 15 111 | 0000 | 0.00±0.00 | ±20% | C0603JB1A153M030BC | C0603JB0J153M030BA | |
| 47 nF | 1005 | 0.50±0.05 | ±10% | C1005JB1A473K050BA | | |
| 47 111 | 1005 | 0.00±0.00 | ±20% | C1005JB1A473M050BA | | |
| 68 nF | 1005 | 1005 0.50±0.05 | ±10% | C1005JB1A683K050BA | | |
| 00 111 | 1005 | | ±20% | C1005JB1A683M050BA | | |
| | 0603 | 0.30±0.03 | ±10% | C0603JB1A104K030BC | | |
| 100 nF | 0000 | 0.30±0.03 | ±20% | C0603JB1A104M030BC | | |
| 100 111 | 1005 | 0.50±0.05 | ±10% | C1005JB1A104K050BA | | |
| | 1005 | 0.30±0.03 | ±20% | C1005JB1A104M050BA | | |
| 150 nF | 0603 | 0.30±0.03 | ±10% | C0603JB1A154K030BB | C0603JB0J154K030BB | |
| 100 111 | | 0.0010.00 | ±20% | C0603JB1A154M030BB | C0603JB0J154M030BB | |
| 220 nF | 0603 | 0.30±0.03 | ±10% | C0603JB1A224K030BB | C0603JB0J224K030BB | |
| 220 111 | | | ±20% | C0603JB1A224M030BB | C0603JB0J224M030BB | |
| | = | 0.30±0.03 | ±20% | | C0603JB0J334M030BC | |
| 330 nF | 0603 | 0.30±0.05 | ±10% | C0603JB1A334K030BC | | |
| | | | ±20% | C0603JB1A334M030BC | | |
| 470 nF | 0603 - | 0.30±0.03 | ±20% | | C0603JB0J474M030BC | |
| 470111 | 0603 - | 0.30±0.05 | ±20% | C0603JB1A474M030BC | | |

[■] Gray items: These products are not recommended for new designs.



| Capacitance | Dimoneione | Thickness | Capacitance _ | Catalog number | | |
|--------------|--------------|-------------------------------|---------------|--|--|------------------------|
| Capacitarice | Difficitions | ' (mm) | tolerance | Rated voltage Edc: 10V | Rated voltage Edc: 6.3V | Rated voltage Edc: 4V |
| 680 nF | 1608 | 0.80+0.15, -0.10 | ±10% | C1608JB1A684K080AC | | |
| 000 111 | 1000 | 0.00+0.13, -0.10 | ±20% | C1608JB1A684M080AC | | |
| 1 μF | 1608 | 0.80+0.15, -0.10 | ±10% | C1608JB1A105K080AC | | |
| тμг | 1000 | 0.60+0.15, -0.10 | ±20% | C1608JB1A105M080AC | | |
| 1 5 5 | 1005 | 0.50±0.05 | ±10% | C1005JB1A155K050BC | C1005JB0J155K050BB | |
| 1.5 µF | 1005 | 0.50±0.05 | ±20% | C1005JB1A155M050BC | C1005JB0J155M050BB | |
| | 1005 | 0.50.0.05 | ±10% | C1005JB1A225K050BC | C1005JB0J225K050BC | C1005JB0G225K050BB |
| 00 | 1005 | 0.50±0.05 | ±20% | C1005JB1A225M050BC | C1005JB0J225M050BC | C1005JB0G225M050BB |
| 2.2 µF | 0010 | 0.05.0.15 | ±10% | C2012JB1A225K085AA | | |
| | 2012 | 0.85±0.15 | ±20% | C2012JB1A225M085AA | | |
| | 4005 | 0.50.040 | ±10% | C1005JB1A335K050BC | C1005JB0J335K050BC | C1005JB0G335K050BB |
| | 1005 | 0.50±0.10 | ±20% | C1005JB1A335M050BC | C1005JB0J335M050BC | C1005JB0G335M050BB |
| | 4000 | | ±10% | C1608JB1A335K080AB | | |
| 3.3 µF | 1608 | 0.80±0.10 | ±20% | C1608JB1A335M080AB | | |
| | | | ±10% | C2012JB1A335K125AA | | |
| | 2012 | 1.25±0.20 | ±20% | C2012JB1A335M125AA | | |
| | | | +10% | C1005JB1A475K050BC | C1005JB0J475K050BC | C1005JB0G475K050BB |
| 4.7 μF | 1005 | 0.50+0.15, -0.10 | ±20% | C1005JB1A475M050BC | C1005JB0J475M050BC | C1005JB0G475M050BB |
| | | | ±10% | C1608JB1A475K080AB | | |
| | 1608 | 0.80±0.10 | ±20% | C1608JB1A475M080AB | | |
| | | | ±10% | C2012JB1A475K060AB | | |
| | | 0.60±0.15 | ±20% | C2012JB1A475M060AB | | |
| | 2012 | - | ±10% | C2012JB1A475K125AA | | |
| | | 1.25±0.20 | ±20% | C2012JB1A475M125AA | | |
| | | | ±10% | C1608JB1A685K080AC | C1608JB0J685K080AB | |
| | 1608 | 0.80±0.10 | ±20% | C1608JB1A685M080AC | C1608JB0J685M080AB | |
| 6.8 µF | | | ±10% | C2012JB1A685K060AC | 010000200000000000000000000000000000000 | |
| | 2012 | 0.60±0.15 | ±20% | C2012JB1A685M060AC | | |
| | | | ±10% | C1608JB1A106K080AC | C1608JB0J106K080AB | |
| | 1608 | 0.80±0.10 1.60±0.20 | ±20% | C1608JB1A106M080AC | C1608JB0J106M080AB | |
| 10 μF | | | ±10% | C3216JB1A106K160AA | 010000200100111000112 | |
| | 3216 | | ±20% | C3216JB1A106M160AA | | |
| | 1608 | 0.80±0.20 | ±20% | C1608JB1A156M080AC | C1608JB0J156M080AC | C1608JB0G156M080AA |
| | 1000 | 0.85±0.15 | ±20% | C2012JB1A156M085AC | C2012JB0J156M085AB | C10003B0G130101000AA |
| 15 µF | 2012 | 1.25±0.20 | ±20% | C2012JB1A156M125AB | C2012JB0J156M125AC | |
| | 3225 | 2.30±0.20 | ±20% | C3225JB1A156M230AA | 020120000130W123A0 | |
| | 1608 | 0.80±0.20 | ±20% | C1608JB1A226M080AC | C1608JB0J226M080AC | C1608JB0G226M080AA |
| | 1000 | 0.85±0.15 | ±20% | C2012JB1A226M085AC | C2012JB0J226M085AB | O I SOUDDOGE ZOWIOOOAA |
| 22 µF | 2012 | 1.25±0.20 | ±20% | C2012JB1A226M125AB | C2012JB0J226M125AC | |
| | 3225 | 2.50±0.30 | ±20% | C3225JB1A226M250AA | OZOTZOBOCZZOWITZSAO | |
| | 2012 | 1.25±0.20 | ±20% | C2012JB1A336M125AC | C2012JB0J336M125AC | |
| 33 µF | 2012 | 1.30±0.20 | ±20% | OZU IZUD IAUUUNIIZUAU | C3216JB0J336M130AC | |
| ου μι | 3216 | 1.60±0.20 | ±20% | C3216JB1A336M160AB | 032 100 D00 330 W 130 AC | |
| | 2012 | 1.25±0.20 | ±20% | | C2012 IB0 I/76M12EAC | |
| 47 µF | 3216 | 1.60±0.20 | ±20% ±20% | C2012JB1A476M125AC C3216JB1A476M160AB | C2012JB0J476M125AC C3216JB0J476M160AC | |
| | 3216 | | ±20% ±20% | | | |
| 68 µF | 3216 | 1.60+0.30, -0.10 2.00±0.20 | ±20% ±20% | C3216JB1A686M160AC | C3216JB0J686M160AB | |
| | | | | C2016 ID1 11071410010 | C3225JB0J686M200AC | |
| 100 μF | 3216 | 1.60+0.30, -0.10 | ±20% | C3216JB1A107M160AC | C3216JB0J107M160AB | |
| | 3225 | 2.50±0.30 | ±20% | | C3225JB0J107M250AC | |

[■] Gray items: These products are not recommended for new designs.

[■] The red items are products which the production will be stopped.



| 0 | D' | Thickness | Capacitance | Catalog number | | | | |
|-------------|------------|-----------|--------------|--|--------------------------|------------------------|--|---------------------|
| Capacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 25V | Rated voltage Edc: 16V | | |
| | 0402 | 0.20±0.02 | ±10% | | | C0402X5R1C101K020BC | | |
| 100 pF | 0402 | 0.20±0.02 | ±20% | | | C0402X5R1C101M020BC | | |
| 100 pr | 0603 | 0.30±0.03 | ±10% | | C0603X5R1E101K030BA | | | |
| | 0003 | 0.30±0.03 | ±20% | | C0603X5R1E101M030BA | | | |
| | 0402 | 0.20±0.02 | ±10% | | | C0402X5R1C151K020BC | | |
| 150 pF | 0402 | 0.20±0.02 | ±20% | | | C0402X5R1C151M020BC | | |
| 130 μι | 0603 | 0.30±0.03 | ±10% | | C0603X5R1E151K030BA | | | |
| | 0000 | 0.00±0.00 | ±20% | | C0603X5R1E151M030BA | | | |
| | 0402 | 0.20±0.02 | ±10% | | | C0402X5R1C221K020BC | | |
| | 0402 | 0.20±0.02 | ±20% | | | C0402X5R1C221M020BC | | |
| 220 pF | 0603 | 0.30±0.03 | ±10% | | C0603X5R1E221K030BA | | | |
| 220 pi | | 0.0020.00 | ±20% | | C0603X5R1E221M030BA | | | |
| | 1005 | 0.50±0.05 | ±10% | C1005X5R1H221K050BA | | | | |
| | 1000 | 0.0020.00 | ±20% | C1005X5R1H221M050BA | | | | |
| | 0402 | 0402 | 0402 | 0.20±0.02 | ±10% | | | C0402X5R1C331K020BC |
| | | 0.2020.02 | ±20% | | | C0402X5R1C331M020BC | | |
| 330 pF | 0603 | 0.30±0.03 | ±10% | | C0603X5R1E331K030BA | | | |
| осо р. | | 0.00=0.00 | ±20% | | C0603X5R1E331M030BA | | | |
| | 1005 | 0.50±0.05 | ±10% | C1005X5R1H331K050BA | | | | |
| | | 0.00_0.00 | ±20% | C1005X5R1H331M050BA | | | | |
| | 0402 | 0.20±0.02 | ±10% | | | C0402X5R1C471K020BC | | |
| | | | ±20% | | | C0402X5R1C471M020BC | | |
| 470 pF | 0603 | 0.30±0.03 | ±10% | | C0603X5R1E471K030BA | | | |
| - 1 | | | ±20% | | C0603X5R1E471M030BA | | | |
| | 1005 | 0.50±0.05 | ±10% | C1005X5R1H471K050BA | | | | |
| | | 0.0020.00 | ±20% | C1005X5R1H471M050BA | | | | |
| | 0402 | 0.20±0.02 | ±10% | | | C0402X5R1C681K020BC | | |
| | | | ±20% | | | C0402X5R1C681M020BC | | |
| 680 pF | 0603 | 0.30±0.03 | ±10% | | C0603X5R1E681K030BA | | | |
| | | | ±20% | | C0603X5R1E681M030BA | | | |
| | 1005 | 0.50±0.05 | ±10% | C1005X5R1H681K050BA | | | | |
| | | | ±20% | C1005X5R1H681M050BA | 00000/55/5/5/00/00054 | | | |
| | 0603 | 0.30±0.03 | ±10% ±20% | | C0603X5R1E102K030BA | | | |
| 1 nF | | | ±20% ±10% | C100EVED411100V0E0D4 | C0603X5R1E102M030BA | | | |
| I III | 1005 | 0.50±0.05 | ±10% ±20% | C1005X5R1H102K050BA C1005X5R1H102M050BA | | | | |
| | 1608 | 0.90+0.10 | ±20% ±10% | | | - | | |
| | 1000 | 0.80±0.10 | ±10% ±10% | C1608X5R1H102K080AA | C0603X5R1E152K030BA | | | |
| | 0603 | 0.30±0.03 | ±10% ±20% | | C0603X5R1E152K030BA | | | |
| 1.5 nF | | | ±20% ±10% | C1005X5R1H152K050BA | CUUUSASIN TE TSZIVIUSUBA | | | |
| | 1005 | 0.50±0.05 | ±10% ±20% | C1005X5R1H152K050BA | | | | |
| | | | ±20% | O TOOSASH ITH ISZIVIUSUBA | | | | |

[■] Gray items: These products are not recommended for new designs.



| | | Thickness | Capacitance | Catalog number | | | |
|-------------|------------|-----------|--------------|--|------------------------|------------------------|------------------------|
| Capacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 35V | Rated voltage Edc: 25V | Rated voltage Edc: 16V |
| | 0603 | 0.30±0.03 | ±10% | | | C0603X5R1E222K030BA | |
| | | | ±20% | 04005\/5D4110001/050D4 | | C0603X5R1E222M030BA | |
| 2.2 nF | 1005 | 0.50±0.05 | ±10% ±20% | C1005X5R1H222K050BA C1005X5R1H222M050BA | | | |
| | 1608 | 0.80±0.10 | ±10% | C1608X5R1H222K080AA | | | |
| | | | ±10% | OTOOOXSITTIZZZIXOOOAA | | C0603X5R1E332K030BA | |
| | 0603 | 0.30±0.03 | ±20% | | | C0603X5R1E332M030BA | |
| 3.3 nF | 1005 | 0.50.0.05 | ±10% | C1005X5R1H332K050BA | | | |
| | 1005 | 0.50±0.05 | ±20% | C1005X5R1H332M050BA | | | |
| | 0603 | 0.30±0.03 | ±10% | | | | C0603X5R1C472K030BA |
| | | 0.0020.00 | ±20% | | | | C0603X5R1C472M030BA |
| 4.7 nF | 1005 | 0.50±0.05 | ±10% | C1005X5R1H472K050BA | | | |
| | 1608 | 0.80±0.10 | ±20% ±10% | C1005X5R1H472M050BA C1608X5R1H472K080AA | | | |
| | 1006 | 0.00±0.10 | ±10% | C1005X5R1H682K050BA | | | |
| 6.8 nF | 1005 | 0.50±0.05 | ±20% | C1005X5R1H682M050BA | | | |
| | | | ±10% | 0.000/.011110021110002/. | | | C0603X5R1C103K030BA |
| | 0603 | 0.30±0.03 | ±20% | | | | C0603X5R1C103M030BA |
| 10 nE | 1005 | 0.50.0.05 | ±10% | C1005X5R1H103K050BB | | C1005X5R1E103K050BA | |
| 10 nF | 1005 | 0.50±0.05 | ±20% | C1005X5R1H103M050BB | | C1005X5R1E103M050BA | |
| | 1608 | 0.80±0.10 | ±10% | C1608X5R1H103K080AA | | | |
| | | 0.0020.10 | ±20% | C1608X5R1H103M080AA | | | |
| | 1005 | 0.50±0.05 | ±10% | C1005X5R1H153K050BB | | C1005X5R1E153K050BA | C1005X5R1C153K050BA |
| 15 nF | | | ±20% | C1005X5R1H153M050BB | | C1005X5R1E153M050BA | C1005X5R1C153M050BA |
| | 1608 | 0.80±0.10 | ±10% ±20% | C1608X5R1H153K080AA C1608X5R1H153M080AA | | | |
| | | | ±10% | CTOUGASHTHTSSIVIUOUAA | | C0603X5R1E223K030BB | |
| | 0603 | 0.30±0.03 | ±20% | | | C0603X5R1E223M030BB | |
| | | | ±10% | C1005X5R1H223K050BB | | C1005X5R1E223K050BA | C1005X5R1C223K050BA |
| 22 nF | 1005 | 0.50±0.05 | ±20% | C1005X5R1H223M050BB | | C1005X5R1E223M050BA | C1005X5R1C223M050BA |
| | 1608 | 0.80±0.10 | ±10% | C1608X5R1H223K080AA | | | |
| | 1000 | 0.00±0.10 | ±20% | C1608X5R1H223M080AA | | | |
| | 1005 | 0.50±0.05 | ±10% | C1005X5R1H333K050BB | | C1005X5R1E333K050BA | C1005X5R1C333K050BA |
| 33 nF | | | ±20% | C1005X5R1H333M050BB | | C1005X5R1E333M050BA | C1005X5R1C333M050BA |
| | 1608 | 0.80±0.10 | ±10% | C1608X5R1H333K080AA | | | |
| | | | ±20% ±10% | C1608X5R1H333M080AA | | C0603X5R1E473K030BB | |
| | 0603 | 0.30±0.03 | ±10% | | | C0603X5R1E473M030BB | |
| | | | ±10% | C1005X5R1H473K050BB | | C1005X5R1E473K050BA | C1005X5R1C473K050BA |
| 47 nF | 1005 | 0.50±0.05 | ±20% | C1005X5R1H473M050BB | | C1005X5R1E473M050BA | C1005X5R1C473M050BA |
| | 1608 | 0.80±0.10 | ±10% | C1608X5R1H473K080AA | | | |
| | 1006 | 0.00±0.10 | ±20% | C1608X5R1H473M080AA | | | |
| | 1005 | 0.50±0.05 | ±10% | C1005X5R1H683K050BB | C1005X5R1V683K050BB | C1005X5R1E683K050BC | C1005X5R1C683K050BA |
| 68 nF | | | ±20% | C1005X5R1H683M050BB | C1005X5R1V683M050BB | C1005X5R1E683M050BC | C1005X5R1C683M050BA |
| | 1608 | 0.80±0.10 | ±10% ±20% | C1608X5R1H683K080AA | | | |
| | | | ±20% ±10% | C1608X5R1H683M080AA | | C0603X5R1E104K030BB | C0603X5R1C104K030BC |
| | 0603 | 0.30±0.03 | ±20% | | | C0603X5R1E104M030BB | C0603X5R1C104M030BC |
| | | | ±10% | C1005X5R1H104K050BB | C1005X5R1V104K050BB | C1005X5R1E104K050BC | C1005X5R1C104K050BA |
| 100 5 | 1005 | 0.50±0.05 | ±20% | C1005X5R1H104M050BB | C1005X5R1V104M050BB | C1005X5R1E104M050BC | C1005X5R1C104M050BA |
| 100 nF | 1608 | 0.80±0.10 | ±10% | C1608X5R1H104K080AA | | | |
| | 1000 | 0.00±0.10 | ±20% | C1608X5R1H104M080AA | | | |
| | 2012 | 0.85±0.15 | ±10% | C2012X5R1H104K085AA | | | |
| | | | ±20% | C2012X5R1H104M085AA | | | 000001/50101-11/000- |
| | | 0.30±0.03 | ±10% | | | | C0603X5R1C154K030BC |
| | 0603 | | ±20% ±10% | | | C0603X5R1E154K030BC | C0603X5R1C154M030BC |
| | | 0.30±0.05 | ±10% ±20% | | | C0603X5R1E154K030BC | |
| | | | ±10% | | | C1005X5R1E154K050BC | C1005X5R1C154K050BB |
| 150 nF | 1005 | 0.50±0.05 | ±20% | | | C1005X5R1E154M050BC | C1005X5R1C154M050BB |
| | 1000 | 0.00.0.10 | ±10% | C1608X5R1H154K080AB | C1608X5R1V154K080AB | C1608X5R1E154K080AA | |
| | 1608 | 0.80±0.10 | ±20% | C1608X5R1H154M080AB | C1608X5R1V154M080AB | C1608X5R1E154M080AA | |
| | 2012 | 0.85±0.15 | ±10% | C2012X5R1H154K085AA | | | |
| | 2012 | 0.00±0.10 | ±20% | C2012X5R1H154M085AA | | | |

[■] Gray items: These products are not recommended for new designs.



| Capacitance I | Dimonoiono | Thickness | Capacitance | Catalog number | | | |
|---------------|------------|--------------------|------------------------------|---|--|--|---|
| Japacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 35V | Rated voltage Edc: 25V | Rated voltage Edc: 16V |
| | | 0.30±0.03 | ±10% | | | | C0603X5R1C224K030BC |
| | 0603 | | ±20% | | | | C0603X5R1C224M030BC |
| | | 0.30±0.05 | ±10% | | | C0603X5R1E224K030BC | |
| | | | ±20% | | | C0603X5R1E224M030BC | 01005745010004705000 |
| 220 nF | 1005 | 0.50±0.05 | ±10% | | | C1005X5R1E224K050BC | C1005X5R1C224K050BB |
| | | | ±20% | O4000VED4LIO04V000AD | 04000VED4V004V000AD | C1005X5R1E224M050BC | C1005X5R1C224M050BB |
| | 1608 | 0.80±0.10 | ±10% | C1608X5R1H224K080AB | C1608X5R1V224K080AB | C1608X5R1E224K080AA | |
| | | | ±20% | C1608X5R1H224M080AB | C1608X5R1V224M080AB | C1608X5R1E224M080AA | |
| | 2012 | 1.25±0.20 | ±10% ±20% | C2012X5R1H224K125AA | | | |
| | | | | C2012X5R1H224M125AA | C100EVED1V204K0E0DC | C1005V5D15004V050DD | |
| | 1005 | 0.50±0.05 | ±10% ±20% | | C1005X5R1V334K050BC | C1005X5R1E334K050BB | |
| | | | ±20% ±10% | C1608X5R1H334K080AB | C1609X5R1V334M050BC | C1609X5R1E334M050BB | C1608X5R1C334K080AA |
| 330 nF | 1608 | 0.80±0.10 | ±10% | C1608X5R1H334M080AB | C1608X5R1V334K080AB C1608X5R1V334M080AB | C1608X5R1E334K080AC C1608X5R1E334M080AC | C1608X5R1C334K080AA |
| | | | ±20% ±10% | C2012X5R1H334K125AA | C 1006A3H I V334W060AB | C 1008/3H 1E334W080AC | C1000A3H1C334W000AP |
| | 2012 | 1.25±0.20 | ±10% | | | | |
| | | | ±20% | C2012X5R1H334M125AA | C1005X5R1V474K050BC | C1005X5R1E474K050BB | |
| | 1005 | 0.50 ± 0.05 | ±10% | | C1005X5R1V474R050BC | C1005X5R1E474R050BB | |
| | | | ±20% | C1608X5R1H474K080AB | C1608X5R1V474K080AB | C1608X5R1E474K080AC | C1608X5R1C474K080AA |
| 470 nF | 1608 | 0.80±0.10 | ±10% | | | C1608X5R1E474R080AC | C1608X5R1C474R080AA |
| - | | | ±20% ±10% | C1608X5R1H474M080AB C2012X5R1H474K125AB | C1608X5R1V474M080AB | O TOUGNOTT TE47 4IVIUOUAU | 01000A31110474WI080AF |
| | 2012 | 1.25±0.20 | ±20% | C2012X5R1H474M125AB | | | |
| | | | ±20% ±10% | OZUTZAJITI IH / HIVI IZDAD | C1005X5R1V684K050BC | C1005X5R1E684K050BC | C1005X5R1C684K050BC |
| | 1005 | 0.50 ± 0.05 | ±20% | | C1005X5R1V684M050BC | C1005X5R1E684M050BC | C1005X5R1C684M050BC |
| 20 | | | ±20% | C1608X5R1H684K080AB | C1608X5R1V684K080AB | C1608X5R1E684K080AC | C1608X5R1C684K080AA |
| | 1608 | 0.80±0.10 | ±10% | C1608X5R1H684M080AB | C1608X5R1V684M080AB | C1608X5R1E684M080AC | C1608X5R1C684M080AA |
| | | | ±10% | C2012X5R1H684K125AB | CTOOCKSTTTVOOTWOOCKB | C2012X5R1E684K125AA | 01000/31110004W000/AP |
| | 2012 | 1.25±0.20 | ±20% | C2012X5R1H684M125AB | | C2012X5R1E684M125AA | |
| | | | ±10% | OZOTZXSTTI 1004WTZSXB | C1005X5R1V105K050BC | C1005X5R1E105K050BC | |
| | 1005 | 0.50 ± 0.05 | ±20% | | C1005X5R1V105M050BC | C1005X5R1E105M050BC | |
| _ | | | ±10% | C1608X5R1H105K080AB | C1608X5R1V105K080AB | C1608X5R1E105K080AC | C1608X5R1C105K080AA |
| | 1608 | 0.80±0.10 | ±20% | C1608X5R1H105M080AB | C1608X5R1V105M080AB | C1608X5R1E105M080AC | C1608X5R1C105M080AA |
| - | | | ±10% | C2012X5R1H105K085AB | C2012X5R1V105K085AB | C2012X5R1E105K085AC | C2012X5R1C105K085AA |
| 1 μF | | 0.85±0.15 | ±20% | C2012X5R1H105M085AB | C2012X5R1V105M085AB | C2012X5R1E105M085AC | C2012X5R1C105M085AA |
| | 2012 | | ±10% | C2012X5R1H105K125AB | CZO IZXCITI V ICOMICCOXID | C2012X5R1E105K125AA | OLO IL MOTTI O TOO MIOOO TV |
| | | 1.25±0.20 | ±20% | C2012X5R1H105M125AB | | C2012X5R1E105M125AA | |
| - | | | ±10% | C3216X5R1H105K160AA | | OLO ILAGITIL TOOMILLO, UT | |
| | 3216 | 1.60±0.20 | ±20% | C3216X5R1H105M160AA | | | |
| | | | ±10% | | | | C1005X5R1C155K050BC |
| | | 0.50±0.05 | ±20% | | | | C1005X5R1C155M050BC |
| | | | ±10% | | | C1005X5R1E155K050BC | |
| | 1005 | 0.50±0.10 | ±20% | | | C1005X5R1E155M050BC | |
| | | | ±10% | | C1005X5R1V155K050BC | | |
| | | 0.50+0.15, -0.10 | ±20% | | C1005X5R1V155M050BC | | |
| | | | ±10% | | C1608X5R1V155K080AC | C1608X5R1E155K080AB | C1608X5R1C155K080AB |
| 1.5 µF | 1608 | 0.80±0.10 | ±20% | | C1608X5R1V155M080AC | C1608X5R1E155M080AB | C1608X5R1C155M080AE |
| - | | | ±10% | | | C2012X5R1E155K085AC | |
| | 0010 | 0.85±0.15 | ±20% | | | C2012X5R1E155M085AC | |
| | 2012 | 105.000 | ±10% | C2012X5R1H155K125AB | C2012X5R1V155K125AB | C2012X5R1E155K125AA | C2012X5R1C155K125AA |
| | | 1.25±0.20 | ±20% | C2012X5R1H155M125AB | C2012X5R1V155M125AB | C2012X5R1E155M125AA | C2012X5R1C155M125AA |
| - | | | ±10% | C3216X5R1H155K160AB | | C3216X5R1E155K160AA | |
| | 3216 | 1.60±0.20 | ±20% | C3216X5R1H155M160AB | | C3216X5R1E155M160AA | |
| | | | ±10% | | | | C1005X5R1C225K050BC |
| | | 0.50±0.05 | ±20% | | | | C1005X5R1C225M050B0 |
| | 40 | | ±10% | | | C1005X5R1E225K050BC | |
| | 1005 | 0.50±0.10 | ±20% | | | C1005X5R1E225M050BC | |
| | | | ±10% | | C1005X5R1V225K050BC | | |
| | | 0.50+0.15, -0.10 - |) ———— | | C1005X5R1V225M050BC | | |
| | | 0.50+0.15, -0.10 | ±20% | | | | |
| 2.2 μF | | | ±20% | | C1608X5R1V225K080AC | C1608X5R1E225K080AB | C1608X5R1C225K080AF |
| 2.2 μF - | 1608 | 0.80±0.10 | ±20% ±10% | | C1608X5R1V225K080AC C1608X5R1V225M080AC | C1608X5R1E225K080AB C1608X5R1E225M080AB | |
| 2.2 μF | 1608 | 0.80±0.10 | ±10% ±10% ±20% | C2012X5R1H225K085AR | C1608X5R1V225M080AC | C1608X5R1E225M080AB | C1608X5R1C225M080AE |
| 2.2 μF · | | | ±20% ±10% ±20% ±10% | C2012X5R1H225K085AB C2012X5R1H225M085AB | C1608X5R1V225M080AC C2012X5R1V225K085AB | C1608X5R1E225M080AB C2012X5R1E225K085AC | C1608X5R1C225M080AB C2012X5R1C225K085AC |
| 2.2 μF · | 1608 | 0.80±0.10 | ±10% ±10% ±20% | C2012X5R1H225K085AB C2012X5R1H225M085AB C2012X5R1H225K125AB | C1608X5R1V225M080AC | C1608X5R1E225M080AB | C1608X5R1C225K080AB C1608X5R1C225M080AB C2012X5R1C225K085AC C2012X5R1C225M085AC C2012X5R1C225K125AA |

[■] Gray items: These products are not recommended for new designs.



| 0 | Dim and the | Thickness | Capacitance | Catalog number | | | | |
|-------------|-------------|-----------|----------------|--|--|--|--|--|
| Capacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 35V | Rated voltage Edc: 25V | Rated voltage Edc: 16V | |
| | 3216 | 1.60±0.20 | ±10% | C3216X5R1H225K160AB | | C3216X5R1E225K160AA | | |
| 2.2 µF | | | ±20% | C3216X5R1H225M160AB | | C3216X5R1E225M160AA | | |
| | 3225 | 2.50±0.30 | ±10% | C3225X5R1H225K250AB | | | | |
| | | | ±20% | C3225X5R1H225M250AB | | | | |
| | | 0.80±0.10 | ±10% | | | C1608X5R1E335K080AC | C1608X5R1C335K080AC | |
| | 1608 — | | ±20% | | | C1608X5R1E335M080AC | C1608X5R1C335M080AC | |
| | | 0.80±0.20 | ±10% | | C1608X5R1V335K080AC | | | |
| | | | ±20% | | C1608X5R1V335M080AC | | | |
| | | 0.60±0.15 | ±10% | | | | C2012X5R1C335K060AC | |
| | _ | | ±20% | | | | C2012X5R1C335M060AC | |
| 3.3 µF | 2012 | 0.85±0.15 | ±10% | | | C2012X5R1E335K085AC | C2012X5R1C335K085AB | |
| · | _ | | ±20% | | | C2012X5R1E335M085AC | C2012X5R1C335M085AB | |
| | | 1.25±0.20 | ±10% | C2012X5R1H335K125AB | C2012X5R1V335K125AC | C2012X5R1E335K125AB | C2012X5R1C335K125AC | |
| | - | | ±20% | C2012X5R1H335M125AB | C2012X5R1V335M125AC | C2012X5R1E335M125AB | C2012X5R1C335M125AC | |
| | 3216 | 1.60±0.20 | ±10% | C3216X5R1H335K160AB | C3216X5R1V335K160AB | C3216X5R1E335K160AA | | |
| | | | ±20% | C3216X5R1H335M160AB | C3216X5R1V335M160AB | C3216X5R1E335M160AA | | |
| | 3225 | 2.50±0.30 | ±10% | C3225X5R1H335K250AB | | | | |
| | | | ±20% | C3225X5R1H335M250AB | | 0400075545435700040 | 04000VED4047EV00040 | |
| | | 0.80±0.10 | ±10% | | | C1608X5R1E475K080AC | C1608X5R1C475K080AC | |
| | 1608 — | | ±20% | | 04000750477425700040 | C1608X5R1E475M080AC | C1608X5R1C475M080AC | |
| | | 0.80±0.20 | ±10% | | C1608X5R1V475K080AC | | | |
| | | | ±20% | | C1608X5R1V475M080AC | | 00040VFD4047FV00040 | |
| 4.7 μF _ | | 0.60±0.15 | ±10% | | | | C2012X5R1C475K060AC | |
| | _ | | ±20% | | | C0010VED1E47EV00EAC | C2012X5R1C475M060AC | |
| | 2012 | 0.85±0.15 | ±10% | | | C2012X5R1E475K085AC | C2012X5R1C475K085AB | |
| | _ | | ±20% | C2012X5R1H475K125AB | C0010VED1V47EV10EAC | C2012X5R1E475M085AC | C2012X5R1C475M085AE | |
| | | 1.25±0.20 | ±10% | | C2012X5R1V475K125AC | C2012X5R1E475K125AB | C2012X5R1C475K125AC | |
| | | | ±20% | C2012X5R1H475M125AB | C2012X5R1V475M125AC | C2012X5R1E475M125AB | C2012X5R1C475M125AC | |
| | | 0.85±0.15 | ±10% | C3216X5R1H475K085AB | C3216X5R1V475K085AB | C3216X5R1E475K085AB | | |
| | _ | | ±20% | C3216X5R1H475M085AB | C3216X5R1V475M085AB | C3216X5R1E475M085AB | C001CVED1C47EV11EAA | |
| | 3216 | 1.15±0.15 | ±10% | | | C3216X5R1E475K115AB | C3216X5R1C475K115AA | |
| | _ | | ±20% | 00040VED4L147EV400AD | 00040VED4V475V400AD | C3216X5R1E475M115AB | C3216X5R1C475M115AA | |
| | | 1.60±0.20 | ±10% ±20% | C3216X5R1H475K160AB C3216X5R1H475M160AB | C3216X5R1V475K160AB C3216X5R1V475M160AB | C3216X5R1E475K160AA C3216X5R1E475M160AA | | |
| | - | | ±20 % | | C3210A3H1V473W110UAB | C3210A3H1E473W110UAA | | |
| | 3225 | 2.50±0.30 | ±10% | C3225X5R1H475K250AB C3225X5R1H475M250AB | | | | |
| | | | ±20% ±10% | G3223A3H1H473WI23UAB | | C1608X5R1E685K080AC | C1600VED1C60EV000AD | |
| | 1608 | 0.80±0.20 | ±10% | | | C1608X5R1E685M080AC | C1608X5R1C685K080AB C1608X5R1C685M080AB | |
| | | | ±20% | | | CTOOCASTITEOGSWOODAC | C2012X5R1C685K085AC | |
| | | 0.85±0.15 | ±20% | | | | C2012X5R1C685M085AC | |
| | 2012 — | | ±10% | | C2012X5R1V685K125AC | C2012X5R1E685K125AC | 02012/01110000111000710 | |
| | | 1.25±0.20 | ±20% | | C2012X5R1V685M125AC | C2012X5R1E685M125AC | | |
| | | | ±10% | C3216X5R1H685K160AB | C3216X5R1V685K160AB | C3216X5R1E685K160AB | C3216X5R1C685K160AA | |
| 6.8 µF | 3216 | 1.60±0.20 | ±20% | C3216X5R1H685M160AB | C3216X5R1V685M160AB | C3216X5R1E685M160AB | C3216X5R1C685M160AA | |
| | - | | ±10% | 00210/01111000111100712 | 0021070111100011100712 | 002.07(0.11200011100712 | C3225X5R1C685K200AA | |
| | | 2.00±0.20 | ±20% | | | | C3225X5R1C685M200AA | |
| | 3225 — | | ±10% | C3225X5R1H685K250AB | | C3225X5R1E685K250AA | 00220701110000111200707 | |
| | | 2.50±0.30 | ±20% | C3225X5R1H685M250AB | | C3225X5R1E685M250AA | | |
| | - | | ±10% | C4532X5R1H685K250KA | | 002207(0.11200011200701 | | |
| | 4532 | 2.50±0.30 | ±20% | C4532X5R1H685M250KA | | | | |
| | 1608 | 0.80±0.20 | ±20% | | | C1608X5R1E106M080AC | C1608X5R1C106M080AE | |
| | | | ±10% | | C2012X5R1V106K085AC | C2012X5R1E106K085AC | C2012X5R1C106K085AC | |
| | | 0.85±0.15 | ±20% | | C2012X5R1V106M085AC | C2012X5R1E106M085AC | C2012X5R1C106M085AC | |
| | 2012 — | | ±10% | | C2012X5R1V106K125AC | C2012X5R1E106K125AB | | |
| 10 μF | | 1.25±0.20 | ±20% | | C2012X5R1V106M125AC | C2012X5R1E106M125AB | | |
| . о ри | | | ±10% | | | C3216X5R1E106K085AC | | |
| | | 0.85±0.15 | ±20% | | | C3216X5R1E106M085AC | | |
| | 3216 — | | ±10% | C3216X5R1H106K160AB | C3216X5R1V106K160AB | C3216X5R1E106K160AB | C3216X5R1C106K160AA | |
| | | 1.60±0.20 | ±20% | C3216X5R1H106M160AB | C3216X5R1V106M160AB | C3216X5R1E106M160AB | C3216X5R1C106M160AA | |
| | | | ± -0 /0 | SSETSAGITITIOUNITOOAD | COL TONOTTI V TOOMTTOOAD | SOL TO NOT THE TOUR TOURD | 302 10/10/10 10 10 WI 100AA | |

[■] Gray items: These products are not recommended for new designs.



| 0 | Dimanaiana | Thickness | | Catalog number | | | |
|-------------|------------|-----------|-----------|------------------------|------------------------|------------------------|------------------------|
| Capacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 35V | Rated voltage Edc: 25V | Rated voltage Edc: 16V |
| | | 2.00±0.20 | ±10% | | | | C3225X5R1C106K200AA |
| | 3225 - | 2.00±0.20 | ±20% | | | | C3225X5R1C106M200AA |
| | 3225 - | 2.50±0.30 | ±10% | C3225X5R1H106K250AB | | C3225X5R1E106K250AA | |
| 10 μF | | 2.50±0.30 | ±20% | C3225X5R1H106M250AB | | C3225X5R1E106M250AA | |
| ιο με | 4532 | 2.50±0.30 | ±10% | | | C4532X5R1E106K250KA | |
| | 4552 | 2.50±0.50 | ±20% | | | C4532X5R1E106M250KA | |
| | 5750 | 2.30±0.20 | ±10% | C5750X5R1H106K230KA | | | |
| | | 2.30±0.20 | ±20% | C5750X5R1H106M230KA | | | |
| | 2012 | 1.25±0.20 | ±20% | | C2012X5R1V156M125AC | C2012X5R1E156M125AC | C2012X5R1C156M125AC |
| | 3216 | 1.60±0.20 | ±20% | | C3216X5R1V156M160AC | C3216X5R1E156M160AB | C3216X5R1C156M160AB |
| 15 μF | 3225 | 2.50±0.30 | ±20% | | | | C3225X5R1C156M250AA |
| | 4532 - | 2.50±0.30 | ±20% | | | C4532X5R1E156M250KA | |
| | | 2.80±0.30 | ±20% | | | C4532X5R1E156M280KA | |
| | | 0.85±0.15 | ±20% | | | | C2012X5R1C226M085AC |
| | 2012 | 1.25±0.20 | ±10% | | | | C2012X5R1C226K125AC |
| | | | ±20% | | C2012X5R1V226M125AC | C2012X5R1E226M125AC | C2012X5R1C226M125AC |
| | 3216 | 1.60±0.20 | ±20% | | C3216X5R1V226M160AC | C3216X5R1E226M160AB | C3216X5R1C226M160AB |
| | 3225 | 2.50±0.30 | ±10% | | | | C3225X5R1C226K250AA |
| 22 µF | 3223 | 2.30±0.30 | ±20% | | | | C3225X5R1C226M250AA |
| | _ | 2.00±0.20 | ±20% | | | | C4532X5R1C226M200KA |
| | 4532 | 2.30±0.20 | ±20% | | | | C4532X5R1C226M230KA |
| | | 2.50±0.30 | ±20% | | | C4532X5R1E226M250KA | |
| | 5750 - | 2.30±0.20 | ±20% | | | C5750X5R1E226M230KA | |
| | 3730 | 2.50±0.30 | ±20% | | | C5750X5R1E226M250KA | |
| | 3216 | 1.60±0.20 | ±20% | | | C3216X5R1E336M160AC | C3216X5R1C336M160AB |
| 33 µF | 4532 | 2.50±0.30 | ±20% | | | | C4532X5R1C336M250KA |
| | 5750 | 2.00±0.20 | ±20% | | | | C5750X5R1C336M200KA |
| 47 μF | 3216 | 1.60±0.20 | ±20% | | | C3216X5R1E476M160AC | C3216X5R1C476M160AB |
| 47 μF | 5750 | 2.30±0.20 | ±20% | | | | C5750X5R1C476M230KA |

| Consoitones | Dimensions | Thickness | Capacitance | Catalog number | | |
|-------------|------------|-----------|-------------|------------------------|-------------------------|-----------------------|
| Capacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 10V | Rated voltage Edc: 6.3V | Rated voltage Edc: 4V |
| 1 nF | 0402 | 0.20±0.02 | ±10% | C0402X5R1A102K020BC | C0402X5R0J102K020BC | C0402X5R0G102K020BC |
| III | 0402 | | ±20% | C0402X5R1A102M020BC | C0402X5R0J102M020BC | C0402X5R0G102M020BC |
| 1.5 nF 04 | 0402 | 0.00.0.00 | ±10% | C0402X5R1A152K020BC | C0402X5R0J152K020BC | C0402X5R0G152K020BC |
| | 0402 | 0.20±0.02 | ±20% | C0402X5R1A152M020BC | C0402X5R0J152M020BC | C0402X5R0G152M020BC |
| 2.2 nF | 0402 | 0.20±0.02 | ±10% | C0402X5R1A222K020BC | C0402X5R0J222K020BC | C0402X5R0G222K020BC |
| 2.2 11 | 0402 | | ±20% | C0402X5R1A222M020BC | C0402X5R0J222M020BC | C0402X5R0G222M020BC |
| 6.8 nF | 0603 | 0.30±0.03 | ±10% | C0603X5R1A682K030BA | | |
| 0.6 11 | 0603 | | ±20% | C0603X5R1A682M030BA | | |
| 10 nF | 0603 | 0.30±0.03 | ±10% | C0603X5R1A103K030BA | | |
| 10 11 | 0003 | 0.30±0.03 | ±20% | C0603X5R1A103M030BA | | |
| 15 nF | 0603 | 0.30±0.03 | ±10% | C0603X5R1A153K030BC | C0603X5R0J153K030BA | |
| 10 11 | 0003 | 0.30±0.03 | ±20% | C0603X5R1A153M030BC | C0603X5R0J153M030BA | |
| | | | | | | |

[■] Gray items: These products are not recommended for new designs.



| Capacitance | Dimension | Thickness | Capacitance | Catalog number | | |
|-------------|------------|------------------|-------------|------------------------|-------------------------|-----------------------|
| Capacitance | Dimensions | s (mm) | tolerance | Rated voltage Edc: 10V | Rated voltage Edc: 6.3V | Rated voltage Edc: 4V |
| 47 nF | 1005 | 0.50±0.05 | ±10% | C1005X5R1A473K050BA | | |
| 47 111 | 1005 | 0.50±0.05 | ±20% | C1005X5R1A473M050BA | | |
| 68 nF | 1005 | 0.50±0.05 | ±10% | C1005X5R1A683K050BA | | |
| 00 111 | 1005 | 0.30±0.03 | ±20% | C1005X5R1A683M050BA | | |
| | 0603 | 0.30±0.03 | ±10% | C0603X5R1A104K030BC | | |
| 100 nF | 0000 | 0.00±0.00 | ±20% | C0603X5R1A104M030BC | | |
| 100 111 | 1005 | 0.50±0.05 | ±10% | C1005X5R1A104K050BA | C1005X5R0J104K050BA | |
| | 1005 | 0.30±0.03 | ±20% | C1005X5R1A104M050BA | | |
| 150 nF | 0603 | 0.30±0.03 | ±10% | C0603X5R1A154K030BB | C0603X5R0J154K030BB | |
| 130 111 | 0003 | 0.0010.00 | ±20% | C0603X5R1A154M030BB | C0603X5R0J154M030BB | |
| 220 nF | 0603 | 0.30±0.03 | ±10% | C0603X5R1A224K030BB | C0603X5R0J224K030BB | |
| 220111 | 0003 | 0.30±0.03 | ±20% | C0603X5R1A224M030BB | C0603X5R0J224M030BB | |
| 330 nF (| | 0.30±0.03 | ±20% | | C0603X5R0J334M030BC | |
| | 0603 | 0.30±0.05 | ±10% | C0603X5R1A334K030BC | | |
| | | 0.30±0.03 | ±20% | C0603X5R1A334M030BC | | |
| | 0603 | 0.30±0.03 | ±20% | | C0603X5R0J474M030BC | |
| 470 nF | 0003 | 0.30±0.05 | ±20% | C0603X5R1A474M030BC | | |
| | 1608 | 0.80+0.15, -0.10 | ±10% | C1608X5R1A474K080AA | | |
| | 1005 | 0.50±0.05 | ±10% | C1005X5R1A684K050BB | C1005X5R0J684K050BB | |
| 680 nF | 1005 | 0.50±0.05 | ±20% | C1005X5R1A684M050BB | C1005X5R0J684M050BB | |
| 000 11 | 1608 | 0.80+0.15, -0.10 | ±10% | C1608X5R1A684K080AC | | |
| | 1000 | 0.00+0.15, -0.10 | ±20% | C1608X5R1A684M080AC | | |
| 1 μF | 1608 | 0.80+0.15, -0.10 | ±10% | C1608X5R1A105K080AC | | |
| ıμr | 1000 | 0.60+0.15, -0.10 | ±20% | C1608X5R1A105M080AC | | |
| 1.5 µF | 1005 | 0.50±0.05 | ±10% | C1005X5R1A155K050BC | C1005X5R0J155K050BB | |
| 1.5 μΓ | 1005 | 0.50±0.05 | ±20% | C1005X5R1A155M050BC | C1005X5R0J155M050BB | |
| | 1005 | 0.50±0.05 | ±10% | C1005X5R1A225K050BC | C1005X5R0J225K050BC | C1005X5R0G225K050BB |
| 2.2 µF | 1005 | 0.30±0.03 | ±20% | C1005X5R1A225M050BC | C1005X5R0J225M050BC | C1005X5R0G225M050BB |
| 2.2 μΓ | 2012 | 0.85±0.15 | ±10% | C2012X5R1A225K085AA | C2012X5R0J225K085AA | |
| | 2012 | 0.05±0.15 | ±20% | C2012X5R1A225M085AA | C2012X5R0J225M085AA | |
| | 1005 | 0.50±0.10 | ±10% | C1005X5R1A335K050BC | C1005X5R0J335K050BC | C1005X5R0G335K050BB |
| 3.3 µF | 1005 | 0.50±0.10 | ±20% | C1005X5R1A335M050BC | C1005X5R0J335M050BC | C1005X5R0G335M050BB |
| 3.3 μr | 2012 | 1.25±0.20 | ±10% | C2012X5R1A335K125AA | | |
| | 2012 | 1.20±0.20 | ±20% | C2012X5R1A335M125AA | | |
| 4 7 uE | 1005 | 0.50,0.15, 0.10 | ±10% | C1005X5R1A475K050BC | C1005X5R0J475K050BC | C1005X5R0G475K050BB |
| 4.7 μF | 1005 | 0.50+0.15, -0.10 | ±20% | C1005X5R1A475M050BC | C1005X5R0J475M050BC | C1005X5R0G475M050BB |

[■] Gray items: These products are not recommended for new designs.



| Oit | Dimensions | Thickness | Capacitance | Catalog number | | |
|--------------|------------|------------------|-------------|------------------------|-------------------------|-----------------------|
| Japacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 10V | Rated voltage Edc: 6.3V | Rated voltage Edc: 4V |
| | | 0.60±0.15 | ±10% | C2012X5R1A475K060AB | | |
| 4.7 μF | 2012 | 0.00±0.15 | ±20% | C2012X5R1A475M060AB | | |
| 4.7 μΓ | 2012 | 1.25±0.20 | ±10% | C2012X5R1A475K125AA | | |
| | | 1.25±0.20 | ±20% | C2012X5R1A475M125AA | | |
| | 1608 | 0.80±0.10 | ±10% | C1608X5R1A685K080AC | C1608X5R0J685K080AB | |
| | 1000 | 0.60±0.10 | ±20% | C1608X5R1A685M080AC | C1608X5R0J685M080AB | |
| 6.8 µF | | 0.60±0.15 | ±10% | C2012X5R1A685K060AC | | |
| 0.6 μΓ | 2012 | 0.00±0.15 | ±20% | C2012X5R1A685M060AC | | |
| | 2012 | 0.85±0.15 | ±10% | C2012X5R1A685K085AB | C2012X5R0J685K085AB | |
| | | 0.00±0.15 | ±20% | C2012X5R1A685M085AB | C2012X5R0J685M085AB | |
| | 1608 | 0.80±0.10 | ±10% | C1608X5R1A106K080AC | C1608X5R0J106K080AB | |
| 10 uE | 1000 | 0.60±0.10 | ±20% | C1608X5R1A106M080AC | C1608X5R0J106M080AB | |
| 10 μF | 2012 | 0.85±0.15 | ±10% | C2012X5R1A106K085AB | C2012X5R0J106K085AB | |
| | 2012 | 0.05±0.15 | ±20% | C2012X5R1A106M085AB | C2012X5R0J106M085AB | |
| | 1608 | 0.80±0.20 | ±20% | C1608X5R1A156M080AC | C1608X5R0J156M080AC | C1608X5R0G156M080A |
| 15 μF 201 | 2012 | 0.85±0.15 | ±20% | C2012X5R1A156M085AC | C2012X5R0J156M085AB | |
| | 2012 | 1.25±0.20 | ±20% | C2012X5R1A156M125AB | C2012X5R0J156M125AC | |
| | 3225 | 2.30±0.20 | ±20% | C3225X5R1A156M230AA | | |
| _ | 1608 | 0.80±0.20 | ±20% | C1608X5R1A226M080AC | C1608X5R0J226M080AC | C1608X5R0G226M080A |
| | | 0.85±0.15 | ±20% | C2012X5R1A226M085AC | C2012X5R0J226M085AB | |
| | 2012 | 1.25±0.20 | ±10% | C2012X5R1A226K125AB | C2012X5R0J226K125AB | |
| | | 1.25±0.20 | ±20% | C2012X5R1A226M125AB | C2012X5R0J226M125AC | |
| 22 µF | 3216 | 0.85±0.15 | ±20% | | C3216X5R0J226M085AC | |
| | 3225 | 2.00±0.20 | ±10% | | C3225X5R0J226K200AA | |
| | | 2.00±0.20 | ±20% | | C3225X5R0J226M200AA | |
| | | 2.30±0.20 | ±20% | C3225X5R1A226M230AA | | |
| | 4532 | 2.30±0.20 | ±20% | C4532X5R1A226M230KA | | |
| | 2012 | 1.25±0.20 | ±20% | C2012X5R1A336M125AC | C2012X5R0J336M125AC | |
| | 3216 | 1.30±0.20 | ±20% | | C3216X5R0J336M130AC | |
| 33 µF | 3210 | 1.60±0.20 | ±20% | C3216X5R1A336M160AB | | |
| ου μι | 3225 | 2.00±0.20 | ±20% | C3225X5R1A336M200AC | C3225X5R0J336M200AA | |
| | 0220 | 2.50±0.30 | ±20% | | C3225X5R0J336M250AA | |
| | 4532 | 2.30±0.20 | ±20% | C4532X5R1A336M230KA | | |
| | 2012 | 1.25±0.20 | ±20% | C2012X5R1A476M125AC | C2012X5R0J476M125AC | C2012X5R0G476M125A |
| | 3216 | 1.60±0.20 | ±20% | C3216X5R1A476M160AB | C3216X5R0J476M160AC | |
| 47 µF | 3225 | 2.50±0.30 | ±20% | C3225X5R1A476M250AC | C3225X5R0J476M250AA | |
| | 4532 | 2.50±0.30 | ±20% | | C4532X5R0J476M250KA | |
| | 430Z | 2.80±0.30 | ±20% | C4532X5R1A476M280KA | | |
| - 68 μF - | 3216 | 1.60+0.30, -0.10 | ±20% | C3216X5R1A686M160AC | C3216X5R0J686M160AB | |
| | 3225 | 2.00±0.20 | ±20% | | C3225X5R0J686M200AC | |
| | 4532 | 2.80±0.30 | ±20% | | C4532X5R0J686M280KA | |
| | 5750 | 2.30±0.20 | ±20% | C5750X5R1A686M230KA | | |
| · | 3216 | 1.60+0.30, -0.10 | ±20% | C3216X5R1A107M160AC | C3216X5R0J107M160AB | C3216X5R0G107M160A |
| 100 μF | 3225 | 2.50±0.30 | ±20% | | C3225X5R0J107M250AC | |
| 100 μΓ | 4532 | 2.80±0.30 | ±20% | C4532X5R1A107M280KC | C4532X5R0J107M280KA | |
| | 5750 | 2.80±0.30 | ±20% | C5750X5R1A107M280KC | C5750X5R0J107M280KA | |
| | | | | | | |

[■] Gray items: These products are not recommended for new designs.

[■] The red items are products which the production will be stopped.



| Capacitance | Dimensions | Thickness (mm) | Capacitance _ tolerance | Catalog number Rated voltage Edc: 50V | Rated voltage Edc: 35V | Rated voltage Edc: 25V | Rated voltage Edc: 16V |
|-------------|------------|------------------|-------------------------|--|--|--|--|
| 0.0 5 | 0000 | 0.00.000 | ±10% | <u> </u> | - U | C0603X6S1E222K030BA | C0603X6S1C222K030BA |
| 2.2 nF | 0603 | 0.30±0.03 | ±20% | | | C0603X6S1E222M030BA | C0603X6S1C222M030BA |
| 4.7 nF | 0603 | 0.30±0.03 | ±10% | | | | C0603X6S1C472K030BA |
| 7.7 111 | 0000 | 0.00±0.00 | ±20% | | | | C0603X6S1C472M030BA |
| 10 nF | 1005 | 0.50±0.05 | ±10% | C1005X6S1H103K050BB | | | |
| | | | ±20% | C1005X6S1H103M050BB | | | |
| 15 nF | 1005 | 0.50±0.05 | ±10% | C1005X6S1H153K050BB | | | |
| | | | ±20% | C1005X6S1H153M050BB | | | 000000000000000000000000000000000000000 |
| | 0603 | 0.30±0.03 | ±10% ±20% | | | | C0603X6S1C223K030BC C0603X6S1C223M030BC |
| 22 nF | | | ±20% ±10% | C1005X6S1H223K050BB | | | C0003X051C223W030BC |
| | 1005 | 0.50±0.05 | ±10% | C1005X6S1H223M050BB | | | |
| | | | ±20% | C1005X6S1H333K050BB | | | |
| 33 nF | 1005 | 0.50±0.05 | ±20% | C1005X6S1H333M050BB | | | |
| | | | ±10% | 0.000,000,000,000 | | | C0603X6S1C473K030BC |
| 0603 | 0.30±0.03 | ±20% | | | | C0603X6S1C473M030BC | |
| 47 nF | | | ±10% | C1005X6S1H473K050BB | | | |
| | 1005 | 0.50±0.05 | ±20% | C1005X6S1H473M050BB | | | |
| CO E | 1005 | 0.50.005 | ±10% | C1005X6S1H683K050BB | C1005X6S1V683K050BB | C1005X6S1E683K050BC | |
| 68 nF | 1005 | 0.50±0.05 | ±20% | C1005X6S1H683M050BB | C1005X6S1V683M050BB | C1005X6S1E683M050BC | |
| | 0603 | 0.30±0.03 | ±10% | | | | C0603X6S1C104K030BC |
| 100 nF | 0.30±0.03 | ±20% | | | | C0603X6S1C104M030BC | |
| | 0.50±0.05 | ±10% | C1005X6S1H104K050BB | C1005X6S1V104K050BB | C1005X6S1E104K050BB | | |
| | 1000 | 0.0010.00 | ±20% | C1005X6S1H104M050BB | C1005X6S1V104M050BB | C1005X6S1E104M050BB | |
| 1005 | 0.50±0.05 | ±10% | | | C1005X6S1E154K050BC | C1005X6S1C154K050BB | |
| 150 nF | | 0.0010.00 | ±20% | | | C1005X6S1E154M050BC | C1005X6S1C154M050BB |
| 1608 | 0.80±0.10 | ±10% | C1608X6S1H154K080AB | C1608X6S1V154K080AB | | | |
| | | | ±20% | C1608X6S1H154M080AB | C1608X6S1V154M080AB | | |
| 1005 | 0.50±0.05 | ±10% | | | C1005X6S1E224K050BC | C1005X6S1C224K050BB | |
| 220 nF 1608 | | | ±20% | 0.1000\/00.11100.11/000.17 | 0.4.000\/.00.4\/.00.4\/.00.4\D | C1005X6S1E224M050BC | C1005X6S1C224M050BB |
| | 1608 | 0.80±0.10 | ±10% | C1608X6S1H224K080AB | C1608X6S1V224K080AB | | |
| | | ±20% | C1608X6S1H224M080AB | C1608X6S1V224M080AB | | C100EVCC1C004K0E0DC | |
| 1005 | 1005 | 0.50±0.05 | ±10% ±20% | | | | C1005X6S1C334K050BC C1005X6S1C334M050BC |
| 330 nF | | | ±20% | C1608X6S1H334K080AB | C1608X6S1V334K080AB | C1608X6S1E334K080AB | C1003X031C334W030BC |
| | 1608 | 0.80±0.10 | ±20% | C1608X6S1H334M080AB | C1608X6S1V334M080AB | C1608X6S1E334M080AB | |
| | | | ±10% | 0.000,000,000,000 | 0.1000/1001.100/III | 0.1000,100.1200.111000,12 | C1005X6S1C474K050BC |
| | 1005 | 0.50±0.05 | ±20% | | | | C1005X6S1C474M050BC |
| | | | ±10% | C1608X6S1H474K080AB | C1608X6S1V474K080AB | C1608X6S1E474K080AB | |
| 470 nF | 1608 | 0.80±0.10 | ±20% | C1608X6S1H474M080AB | C1608X6S1V474M080AB | C1608X6S1E474M080AB | |
| | 0010 | 105.000 | ±10% | C2012X6S1H474K125AB | | | |
| | 2012 | 1.25±0.20 | ±20% | C2012X6S1H474M125AB | | | |
| | 1005 | 0.50±0.05 | ±10% | | | | C1005X6S1C684K050BC |
| | 1005 | 0.50±0.05 | ±20% | | | | C1005X6S1C684M050BC |
| 680 nF | 1608 | 0.80±0.10 | ±10% | C1608X6S1H684K080AC | C1608X6S1V684K080AB | C1608X6S1E684K080AB | C1608X6S1C684K080AC |
| 000 111 | | 3.3320.10 | ±20% | C1608X6S1H684M080AC | C1608X6S1V684M080AB | C1608X6S1E684M080AB | C1608X6S1C684M080AC |
| | 2012 | 1.25±0.20 | ±10% | C2012X6S1H684K125AB | | | |
| | | | ±20% | C2012X6S1H684M125AB | | | 04005/4524544 |
| | 1005 | 0.50±0.05 | ±10% | | | | C1005X6S1C105K050BC |
| | | | ±20% | 01000000111105100000 | C1000V0C1V40FV0004F | 01000001510500000 | C1005X6S1C105M050BC |
| | 1608 | 0.80±0.10 | ±10% | C1608X6S1H105K080AC | C1608X6S1V105K080AB | C1608X6S1E105K080AB | C1608X6S1C105K080AC |
| 1 µF | | | ±20% | C1608X6S1H105M080AC | C1608X6S1V105M080AB | C1608X6S1E105M080AB | C1608X6S1C105M080AC |
| 2012 | | 0.85±0.15 | ±10% ±20% | C2012X6S1H105K085AB C2012X6S1H105M085AB | C2012X6S1V105K085AB C2012X6S1V105M085AB | C2012X6S1E105K085AB C2012X6S1E105M085AB | |
| | 2012 | | ±20% ±10% | C2012X6S1H105W085AB | OZU IZAUGI V TUDIVIOODAB | OZU IZAUG IE IUDINIUODAB | |
| | | 1.25±0.20 | ±10% | C2012X6S1H105M125AB | | | |
| | | | ±10% | 02012A00111100W1120AD | | | C1005X6S1C155K050BC |
| | 1005 | 0.50+0.15, -0.10 | ±20% | | | | C1005X6S1C155M050BC |
| | | | ±20% | | | | C1608X6S1C155K080AC |
| 1608 | 1608 | 0.80±0.10 | ±10% | | | | C1608X6S1C155M080AC |
| 1.5 µF | | | ±20% | C2012X6S1H155K125AB | C2012X6S1V155K125AB | C2012X6S1E155K125AB | |
| | 2012 | 1.25±0.20 | ±20% | C2012X6S1H155M125AB | C2012X6S1V155M125AB | C2012X6S1E155M125AB | |
| | | | ±10% | C3216X6S1H155K160AB | C3216X6S1V155K160AB | | |
| | 3216 | 1.60±0.20 | ±20% | C3216X6S1H155M160AB | C3216X6S1V155M160AB | | |
| | | | | | | | |

[■] Gray items: These products are not recommended for new designs.



| Capacitance | Dimensions | Thickness (mm) | Capacitance _ tolerance | Catalog number | Dated valtage Ede: 051/ | Dated valtage Ede: 051/ | Datad valtage Eds: 40\ |
|-------------|------------|-------------------|----------------------------|--------------------------|-------------------------|--------------------------|------------------------|
| | | (11111) | | Rated voltage Edc: 50V | Rated voltage Edc: 35V | Rated voltage Edc: 25V | Rated voltage Edc: 16\ |
| | 1005 | 0.50+0.15, -0.10 | ±10% | | | | C1005X6S1C225K050B0 |
| | | - | ±20% | | | | C1005X6S1C225M050B0 |
| | 1608 | 0.80±0.10 | ±10% | | | | C1608X6S1C225K080A0 |
| | | | ±20% | | | | C1608X6S1C225M080A0 |
| 2.2 µF | | 0.85±0.15 | ±10% | C2012X6S1H225K085AC | C2012X6S1V225K085AB | C2012X6S1E225K085AB | C2012X6S1C225K085A |
| | 2012 | | ±20% | C2012X6S1H225M085AC | C2012X6S1V225M085AB | C2012X6S1E225M085AB | C2012X6S1C225M085A |
| | | 1.25±0.20 | ±10% | C2012X6S1H225K125AB | C2012X6S1V225K125AB | C2012X6S1E225K125AC | |
| | | | ±20% | C2012X6S1H225M125AB | C2012X6S1V225M125AB | C2012X6S1E225M125AC | |
| | 3216 | 1.60±0.20 | ±10% | C3216X6S1H225K160AB | C3216X6S1V225K160AB | | |
| | 02.0 | 1.0020.20 | ±20% | C3216X6S1H225M160AB | C3216X6S1V225M160AB | | |
| | 1608 | 0.80±0.20 | ±10% | | | | C1608X6S1C335K080A |
| | | 0.0010.20 | ±20% | | | | C1608X6S1C335M080A |
| 3.3 µF | 2012 | 1.25±0.20 | ±10% | C2012X6S1H335K125AC | C2012X6S1V335K125AB | C2012X6S1E335K125AC | C2012X6S1C335K125A |
| 3.5 μi | 2012 | 1.23±0.20 | ±20% | C2012X6S1H335M125AC | C2012X6S1V335M125AB | C2012X6S1E335M125AC | C2012X6S1C335M125A |
| 3216 | 1.60±0.20 | ±10% | C3216X6S1H335K160AB | C3216X6S1V335K160AB | | | |
| | 1.00±0.20 | ±20% | C3216X6S1H335M160AB | C3216X6S1V335M160AB | | | |
| | 1000 | 0.00.0.00 | ±10% | | | | C1608X6S1C475K080A |
| | 1608 | 0.80±0.20 | ±20% | | | | C1608X6S1C475M080A |
| | | 0.05.045 | ±10% | | | | C2012X6S1C475K085A |
| | 0010 | 0.85±0.15 | ±20% | | | | C2012X6S1C475M085A |
| | 2012 | 1.05.0.00 | ±10% | C2012X6S1H475K125AC | C2012X6S1V475K125AB | C2012X6S1E475K125AC | C2012X6S1C475K125A |
| | | 1.25±0.20 | ±20% | C2012X6S1H475M125AC | C2012X6S1V475M125AB | C2012X6S1E475M125AC | C2012X6S1C475M125A |
| 4.7 μF | | | ±10% | | C3216X6S1V475K085AC | C3216X6S1E475K085AB | |
| | | 0.85±0.15 | ±20% | | C3216X6S1V475M085AC | C3216X6S1E475M085AB | |
| | 3216 | | ±10% | C3216X6S1H475K160AB | C3216X6S1V475K160AB | C3216X6S1E475K160AB | |
| | | 1.60±0.20 | ±20% | C3216X6S1H475M160AB | C3216X6S1V475M160AB | C3216X6S1E475M160AB | |
| | | | ±10% | C3225X6S1H475K250AB | | | |
| | 3225 | 2.50±0.30 | ±20% | C3225X6S1H475M250AB | | | |
| | | | ±10% | | | | C2012X6S1C685K125A |
| | 2012 | 1.25±0.20 | ±20% | | | | C2012X6S1C685M125A |
| | | | ±10% | | C3216X6S1V685K160AC | C3216X6S1E685K160AB | C3216X6S1C685K160A |
| 6.8 µF | 3216 | 1.60±0.20 | ±20% | | C3216X6S1V685M160AC | C3216X6S1E685M160AB | C3216X6S1C685M160A |
| | | | ±10% | C3225X6S1H685K250AC | C3225X6S1V685K250AC | C3225X6S1E685K250AB | 00210/001000011100/1 |
| | 3225 | 2.50±0.30 | ±20% | C3225X6S1H685M250AC | C3225X6S1V685M250AC | C3225X6S1E685M250AB | |
| | | | ±10% | COLLONGO II IOCOMILOGINO | COLLONGO I VOCONILOGNIC | COLLONGO I LOCOMILOCA (D | C2012X6S1C106K085A |
| | | 0.85±0.15 | ±20% | | | | C2012X6S1C106M085A |
| | 2012 | | ±20% | | | | C2012X6S1C106K125A |
| | | 1.25±0.20 | ±10% | | | | C2012X6S1C106M125A |
| | | | ±20% | | | | C3216X6S1C106K085A |
| 10 μF | | 0.85±0.15 | ±10% | | | | C3216X6S1C106M085A |
| | 3216 | | ±20% | | C3216X6S1V106K160AC | C3216X6S1E106K160AB | C3216X6S1C106W065A |
| | | 1.60±0.20 | | | | | |
| | | | ±20% | 00005700411400705040 | C3216X6S1V106M160AC | C3216X6S1E106M160AB | C3216X6S1C106M160A |
| | 3225 | 2.50±0.30 | ±10% | C3225X6S1H106K250AC | C3225X6S1V106K250AC | C3225X6S1E106K250AC | |
| | | | ±20% | C3225X6S1H106M250AC | C3225X6S1V106M250AC | C3225X6S1E106M250AC | 000101/0010150::: |
| 15 µF | 2012 | 1.25±0.20 | ±20% | | | | C2012X6S1C156M125A |
| - r | 3216 | 1.60±0.20 | ±20% | | | | C3216X6S1C156M160A |
| | 2012 | 1.25±0.20 | ±20% | | | | C2012X6S1C226M125A |
| 22 µF | 3216 | 1.60±0.20 | ±20% | | | | C3216X6S1C226M160A |
| | 3225 | 2.50±0.30 | ±20% | | | | C3225X6S1C226M250A0 |

| Canacitance | Dimensions | Thickness | Capacitance | Catalog number | | |
|-------------|------------|-----------|-------------|------------------------|-------------------------|-----------------------|
| Capacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 10V | Rated voltage Edc: 6.3V | Rated voltage Edc: 4V |
| 100 pF | 0402 | 0.20±0.02 | ±10% | C0402X6S1A101K020BC | C0402X6S0J101K020BC | C0402X6S0G101K020BC |
| 100 pr 04 | 0402 | | ±20% | C0402X6S1A101M020BC | C0402X6S0J101M020BC | C0402X6S0G101M020BC |
| 150 -5 | 0402 | 0.20±0.02 | ±10% | C0402X6S1A151K020BC | C0402X6S0J151K020BC | C0402X6S0G151K020BC |
| 150 pF | 0402 | | ±20% | C0402X6S1A151M020BC | C0402X6S0J151M020BC | C0402X6S0G151M020BC |
| 220 pF | 0402 | 0.20±0.02 | ±10% | C0402X6S1A221K020BC | C0402X6S0J221K020BC | C0402X6S0G221K020BC |
| 220 pr | 0402 | | ±20% | C0402X6S1A221M020BC | C0402X6S0J221M020BC | C0402X6S0G221M020BC |
| 330 pF | 0402 | 0.20±0.02 | ±10% | C0402X6S1A331K020BC | C0402X6S0J331K020BC | C0402X6S0G331K020BC |
| | | | ±20% | C0402X6S1A331M020BC | C0402X6S0J331M020BC | C0402X6S0G331M020BC |

[■] Gray items: These products are not recommended for new designs.



| Consoitones | Dimensions | Thickness | Capacitance | Catalog number | | |
|-------------|---------------|------------------|-------------|------------------------|-------------------------|-----------------------|
| Capacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 10V | Rated voltage Edc: 6.3V | Rated voltage Edc: 4V |
| 470 pF | 0402 | 0.20±0.02 | ±10% | C0402X6S1A471K020BC | C0402X6S0J471K020BC | C0402X6S0G471K020BC |
| 470 pr | 0402 | 0.20±0.02 | ±20% | C0402X6S1A471M020BC | C0402X6S0J471M020BC | C0402X6S0G471M020BC |
| 680 pF | 0402 | 0.20±0.02 | ±10% | C0402X6S1A681K020BC | C0402X6S0J681K020BC | C0402X6S0G681K020BC |
| 000 pi | 0402 | 0.20±0.02 | ±20% | C0402X6S1A681M020BC | C0402X6S0J681M020BC | C0402X6S0G681M020BC |
| 2.2 nF | 0603 | 0.30±0.03 | ±10% | C0603X6S1A222K030BA | C0603X6S0J222K030BA | |
| 2.2 111 | 0000 | 0.50±0.05 | ±20% | C0603X6S1A222M030BA | C0603X6S0J222M030BA | |
| 4.7 nF | 0603 | 0.30±0.03 | ±10% | C0603X6S1A472K030BA | C0603X6S0J472K030BA | |
| 7.7 111 | 0000 | 0.00±0.00 | ±20% | C0603X6S1A472M030BA | C0603X6S0J472M030BA | |
| 10 nF | 0603 | 0.30±0.03 | ±10% | C0603X6S1A103K030BA | C0603X6S0J103K030BA | |
| 10111 | 0000 | 0.00±0.00 | ±20% | C0603X6S1A103M030BA | C0603X6S0J103M030BA | |
| 22 nF | 2 nF 0603 0.: | | ±10% | C0603X6S1A223K030BB | | |
| | 0000 | 0.0010.00 | ±20% | C0603X6S1A223M030BB | | |
| 47 nF | 0603 | 0.30±0.03 | ±10% | C0603X6S1A473K030BB | | |
| 77 111 | 0000 | 0.00±0.00 | ±20% | C0603X6S1A473M030BB | | |
| | 0603 | 0.30±0.03 | ±10% | | C0603X6S0J104K030BC | |
| 100 nF | 0000 | 0.00±0.00 | ±20% | | C0603X6S0J104M030BC | |
| 100111 | 1005 | 0.50±0.05 | ±10% | | C1005X6S0J104K050BA | C1005X6S0G104K050BA |
| | 1005 | 0.50±0.05 | ±20% | | C1005X6S0J104M050BA | C1005X6S0G104M050BA |
| | | 0.30±0.03 | ±10% | | C0603X6S0J154K030BC | C0603X6S0G154K030BB |
| 150 nF 0603 | 0603 | 0.30±0.03 | ±20% | | C0603X6S0J154M030BC | C0603X6S0G154M030BB |
| 130 11 | 0003 | 0.30±0.05 | ±10% | C0603X6S1A154K030BC | | |
| | | 0.30±0.03 | ±20% | C0603X6S1A154M030BC | | |
| | | 0.30±0.03 | ±10% | | C0603X6S0J224K030BC | C0603X6S0G224K030BB |
| 220 nF 0603 | 0602 | 0.30±0.03 | ±20% | | C0603X6S0J224M030BC | C0603X6S0G224M030BB |
| | 0000 | 0.30±0.05 | ±10% | C0603X6S1A224K030BC | | |
| | | 0.30±0.03 | ±20% | C0603X6S1A224M030BC | | |
| | 0603 | 0.20+0.05 | ±10% | | | C0603X6S0G334K030BC |
| 330 nF | 0003 | 0.30±0.05 | ±20% | | | C0603X6S0G334M030BC |
| | 1005 | 0.50.0.05 | ±10% | C1005X6S1A334K050BC | C1005X6S0J334K050BC | C1005X6S0G334K050BB |
| | 1005 | 0.50±0.05 | ±20% | C1005X6S1A334M050BC | C1005X6S0J334M050BC | C1005X6S0G334M050BB |
| | 0603 | 0.30±0.05 | ±20% | | | C0603X6S0G474M030BC |
| 470 nF | 1005 | 0.50.0.05 | ±10% | C1005X6S1A474K050BC | | C1005X6S0G474K050BB |
| | 1005 | 0.50±0.05 | ±20% | C1005X6S1A474M050BC | | C1005X6S0G474M050BB |
| 680 nF | 1005 | 0.50±0.05 | ±10% | C1005X6S1A684K050BC | | C1005X6S0G684K050BB |
| 000 111 | 1005 | 0.50±0.05 | ±20% | C1005X6S1A684M050BC | | C1005X6S0G684M050BB |
| | 1005 | 0.50±0.05 | ±10% | C1005X6S1A105K050BC | | |
| 1 μF | 1005 | 0.50±0.05 | ±20% | C1005X6S1A105M050BC | | |
| ı pı | 1608 | 0.80+0.15, -0.10 | ±10% | C1608X6S1A105K080AC | C1608X6S0J105K080AC | |
| | 1000 | 0.60+0.15, -0.10 | ±20% | C1608X6S1A105M080AC | C1608X6S0J105M080AC | |
| | | 0.50±0.05 | ±10% | | C1005X6S0J155K050BC | C1005X6S0G155K050BC |
| | 1005 | 0.50±0.05 | ±20% | | C1005X6S0J155M050BC | C1005X6S0G155M050BC |
| 1.5 µF | 1000 | 0.50±0.10 | ±10% | C1005X6S1A155K050BC | | |
| 1.5 μι | | 0.50±0.10 | ±20% | C1005X6S1A155M050BC | | |
| | 1608 | 0.80±0.10 | ±10% | C1608X6S1A155K080AB | C1608X6S0J155K080AB | |
| | 1000 | 0.00±0.10 | ±20% | C1608X6S1A155M080AB | C1608X6S0J155M080AB | |
| | | 0.50±0.05 | ±10% | | C1005X6S0J225K050BC | C1005X6S0G225K050BC |
| | 1005 | 0.50±0.05 | ±20% | | C1005X6S0J225M050BC | C1005X6S0G225M050BC |
| 2.2 μF | 1000 | 0.50±0.10 | ±10% | C1005X6S1A225K050BC | | |
| | | 0.50±0.10 | ±20% | C1005X6S1A225M050BC | | |
| | 1608 | 0.80±0.10 | ±10% | C1608X6S1A225K080AB | C1608X6S0J225K080AB | |
| | 1000 | 0.00±0.10 | ±20% | C1608X6S1A225M080AB | C1608X6S0J225M080AB | |
| | 1005 | 0.50±0.10 | ±10% | | | C1005X6S0G335K050BC |
| 3.3 µF | 1005 | 0.30±0.10 | ±20% | | | C1005X6S0G335M050BC |
| υ.υ μΓ | 1608 | 0.80±0.10 | ±10% | C1608X6S1A335K080AC | C1608X6S0J335K080AB | |
| | 1000 | 0.00±0.10 | ±20% | C1608X6S1A335M080AC | C1608X6S0J335M080AB | |
| | 1005 | 0.50+0.15, -0.10 | ±20% | | | C1005X6S0G475M050BC |
| 4.7 µF | 1608 | 0.80±0.10 | ±10% | C1608X6S1A475K080AC | C1608X6S0J475K080AB | |
| | 1000 | 0.00±0.10 | ±20% | C1608X6S1A475M080AC | C1608X6S0J475M080AB | |

[■] Gray items: These products are not recommended for new designs.



| Capacitance Dimensions | | Thickness | Capacitance | Catalog number | | |
|------------------------|------------|------------------|-------------|------------------------|-------------------------|-----------------------|
| Capacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 10V | Rated voltage Edc: 6.3V | Rated voltage Edc: 4V |
| | | 0.85±0.15 | ±10% | C2012X6S1A475K085AB | | |
| 4.7 µF | 2012 | 0.05±0.15 | ±20% | C2012X6S1A475M085AB | | |
| 4.7 μΓ | 2012 | 1.25±0.20 | ±10% | | C2012X6S0J475K125AB | |
| | | 1.25±0.20 | ±20% | | C2012X6S0J475M125AB | |
| | | 0.80±0.10 | ±10% | | | C1608X6S0G685K080AC |
| | 1608 | 0.00±0.10 | ±20% | | | C1608X6S0G685M080AC |
| | 1000 | 0.80±0.20 | ±10% | C1608X6S1A685K080AC | C1608X6S0J685K080AB | |
| | | 0.00±0.20 | ±20% | C1608X6S1A685M080AC | C1608X6S0J685M080AB | |
| 6 0 HE | | 0.85±0.15 | ±10% | C2012X6S1A685K085AC | C2012X6S0J685K085AB | |
| 6.8 µF | 2012 | U.05±U.15 | ±20% | C2012X6S1A685M085AC | C2012X6S0J685M085AB | |
| | 2012 | 1.25±0.20 | ±10% | C2012X6S1A685K125AB | | |
| | | | ±20% | C2012X6S1A685M125AB | | |
| | 2016 | 0.05.0.15 | ±10% | C3216X6S1A685K085AB | | |
| | 3216 | 0.85±0.15 | ±20% | C3216X6S1A685M085AB | | |
| — 10 µF | | 0.00.040 | ±10% | | | C1608X6S0G106K080AB |
| | 1608 | 0.80±0.10 | ±20% | | | C1608X6S0G106M080AC |
| | | 0.80±0.20 | ±20% | C1608X6S1A106M080AC | C1608X6S0J106M080AC | |
| | | 0.05.045 | ±10% | C2012X6S1A106K085AC | C2012X6S0J106K085AC | |
| | 0010 | 0.85±0.15 | ±20% | C2012X6S1A106M085AC | C2012X6S0J106M085AC | |
| | 2012 | 1.05.0.00 | ±10% | C2012X6S1A106K125AB | C2012X6S0J106K125AB | |
| | | 1.25±0.20 | ±20% | C2012X6S1A106M125AB | C2012X6S0J106M125AB | |
| | 3216 | 0.05.045 | ±10% | C3216X6S1A106K085AB | | |
| | | 0.85±0.15 | ±20% | C3216X6S1A106M085AB | | |
| | | 1.00.0.00 | ±10% | | C3216X6S0J106K160AC | |
| | | 1.60±0.20 | ±20% | | C3216X6S0J106M160AC | |
| | 0040 | 0.85±0.15 | ±20% | | | C2012X6S0G156M085AC |
| 15 µF | 2012 | 1.25±0.20 | ±20% | C2012X6S1A156M125AC | C2012X6S0J156M125AB | |
| | 3216 | 1.60±0.20 | ±20% | C3216X6S1A156M160AB | C3216X6S0J156M160AB | |
| | 1608 | 0.80±0.20 | ±20% | | | C1608X6S0G226M080AC |
| 00 5 | 2010 | 0.85±0.15 | ±20% | | C2012X6S0J226M085AC | C2012X6S0G226M085AC |
| 22 µF | 2012 | 1.25±0.20 | ±20% | C2012X6S1A226M125AC | C2012X6S0J226M125AB | C2012X6S0G226M125AC |
| | 3216 | 1.60±0.20 | ±20% | C3216X6S1A226M160AB | C3216X6S0J226M160AB | |
| 00 - 5 | 2012 | 1.25±0.20 | ±20% | | | C2012X6S0G336M125AC |
| 33 µF | 3216 | 1.60±0.20 | ±20% | C3216X6S1A336M160AC | C3216X6S0J336M160AB | |
| | 2012 | 1.25±0.20 | ±20% | | | C2012X6S0G476M125AC |
| 47 μF | 3216 | 1.60±0.20 | ±20% | C3216X6S1A476M160AC | C3216X6S0J476M160AB | C3216X6S0G476M160AC |
| | 3225 | 2.50±0.30 | ±20% | | C3225X6S0J476M250AC | |
| 68 µF | 3216 | 1.60+0.30, -0.10 | ±20% | | | C3216X6S0G686M160AC |
| | 3216 | 1.60+0.30, -0.10 | | | | C3216X6S0G107M160AC |
| 100 μF | 3225 | 2.50±0.30 | ±20% | | C3225X6S0J107M250AC | C3225X6S0G107M250AC |
| • | 4532 | 2.80±0.30 | ±20% | | C4532X6S0J107M280KC | |
| | | | | | | |

[■] Gray items: These products are not recommended for new designs.

| Capacitance Dimensions | | Thickness | Capacitance_ | Catalog number | |
|------------------------|------------|-----------|--------------|------------------------|------------------------|
| Сараспансе | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 25V |
| 100 pF | 0603 | 0.30±0.03 | ±10% | | C0603X7R1E101K030BA |
| 100 pr | 0003 | 0.30±0.03 | ±20% | | C0603X7R1E101M030BA |
| 150 pF | 0603 | 0.30±0.03 | ±10% | | C0603X7R1E151K030BA |
| 150 pr | 0603 | 0.30±0.03 | ±20% | | C0603X7R1E151M030BA |
| | 0603 | 0.30±0.03 | ±10% | | C0603X7R1E221K030BA |
| 220 pF | 0003 | 0.30±0.03 | ±20% | | C0603X7R1E221M030BA |
| 220 pr | 1005 | 0.50±0.05 | ±10% | C1005X7R1H221K050BA | |
| | 1005 | | ±20% | C1005X7R1H221M050BA | |
| | 0603 | 0.30±0.03 | ±10% | | C0603X7R1E331K030BA |
| 330 pF | 0003 | | ±20% | | C0603X7R1E331M030BA |
| 330 pr | 1005 | 0.50±0.05 | ±10% | C1005X7R1H331K050BA | |
| | 1005 | 0.50±0.05 | ±20% | C1005X7R1H331M050BA | |
| | 0603 | 0.30±0.03 | ±10% | | C0603X7R1E471K030BA |
| 470 pF | 0003 | 0.30±0.03 | ±20% | | C0603X7R1E471M030BA |
| 470 pr | 1005 | 0.50±0.05 | ±10% | C1005X7R1H471K050BA | · |
| | 1005 | 0.50±0.05 | ±20% | C1005X7R1H471M050BA | |

[■] Gray items: These products are not recommended for new designs.

[■] The red items are products which the production will be stopped.



| Capacitance | Dimensions | Thickness | Capacitance _ | Catalog number | | | |
|----------------|------------|---------------|---------------|--|--|--|------------------------|
| Сараспапсе | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 35V | Rated voltage Edc: 25V | Rated voltage Edc: 16V |
| | 0603 | 0.30±0.03 | ±10% | | | C0603X7R1E681K030BA | |
| 680 pF | 0000 | 0.00±0.00 | ±20% | | | C0603X7R1E681M030BA | |
| осо р. | 1005 | 0.50±0.05 | ±10% | C1005X7R1H681K050BA | | | |
| | 1000 | 0.00±0.00 | ±20% | C1005X7R1H681M050BA | | | |
| | 0603 | 0.30±0.03 | ±10% | | | C0603X7R1E102K030BA | |
| | | | ±20% | | | C0603X7R1E102M030BA | |
| 1 nF | 1005 | 0.50±0.05 | ±10% | C1005X7R1H102K050BA | | C1005X7R1E102K050BA | |
| | | | ±20% | C1005X7R1H102M050BA | | | |
| | 1608 | 0.80±0.10 | ±10% | C1608X7R1H102K080AA | | | |
| | 0603 | 0.30±0.03 | ±10% | | | C0603X7R1E152K030BA | |
| 1.5 nF | | | ±20% | | | C0603X7R1E152M030BA | |
| | 1005 | 0.50±0.05 | ±10% | C1005X7R1H152K050BA | | | |
| | | | ±20% | C1005X7R1H152M050BA | | 00000/7045000/00004 | 00000/7010000/00004 |
| | 0603 | 0.30±0.03 | ±10% | | | C0603X7R1E222K030BA | C0603X7R1C222K030BA |
| 00.5 | | | ±20% | 04005//704110001/05004 | | C0603X7R1E222M030BA | C0603X7R1C222M030BA |
| 2.2 nF | 1005 | 0.50±0.05 | ±10% | C1005X7R1H222K050BA | | | |
| | 1000 | 0.00.040 | ±20% | C1005X7R1H222M050BA | | | |
| | 1608 | 0.80±0.10 | ±10% | C1608X7R1H222K080AA | | 000001/70450001/000004 | |
| 060 | 0603 | 0.30±0.03 | ±10% | | | C0603X7R1E332K030BA | |
| 3.3 nF | | | ±20% | 04005\/7504110001/05004 | | C0603X7R1E332M030BA | |
| | 1005 | 0.50±0.05 | ±10% | C1005X7R1H332K050BA | | | |
| | | | ±20% | C1005X7R1H332M050BA | | | 00000/7040470400004 |
| | 0603 | 0.30±0.03 | ±10% | | | | C0603X7R1C472K030BA |
| 47.5 | | | ±20% | 04005\/750411470\/05004 | | | C0603X7R1C472M030BA |
| 4.7 nF 1005 | 1005 | 0.50±0.05 | ±10% | C1005X7R1H472K050BA | | | |
| | 1000 | 0.00.0.10 | ±20% | C1005X7R1H472M050BA | | | |
| | 1608 | 0.80±0.10 | ±10% | C1608X7R1H472K080AA | | | |
| 6.8 nF | 1005 | 0.50±0.05 | ±10% | C1005X7R1H682K050BA | | | |
| | | | ±20% | C1005X7R1H682M050BA | 0400572047400705000 | 0400572045400705000 | 04005VZD40400V050D4 |
| 10 nF - | 1005 | 0.50±0.05 | ±10% | C1005X7R1H103K050BB | C1005X7R1V103K050BB | C1005X7R1E103K050BB | C1005X7R1C103K050BA |
| | | | ±20% | C1005X7R1H103M050BB | C1005X7R1V103M050BB | C1005X7R1E103M050BB | |
| | 1608 | 0.80±0.10 | ±10% | C1608X7R1H103K080AA | | C1608X7R1E103K080AA | |
| | | | ±20% ±10% | C1608X7R1H103M080AA | C100EV7D1V1E0V0E0DD | | |
| | 1005 | 0.50±0.05 | - | C1005X7R1H153K050BB | C1005X7R1V153K050BB | | |
| 15 nF | | | ±20% | C1005X7R1H153M050BB C1608X7R1H153K080AA | C1005X7R1V153M050BB | | |
| | 1608 | 0.80±0.10 | ±10% ±20% | C1608X7R1H153M080AA | | | |
| | | | ±10% | C1005X7R1H223K050BB | C1005X7R1V223K050BB | C1005X7R1E223K050BB | |
| | 1005 | 0.50 ± 0.05 | ±20% | C1005X7R1H223M050BB | C1005X7R1V223R050BB | C1005X7R1E223R050BB | |
| 22 nF | | | ±10% | C1608X7R1H223K080AA | C1003X/H1V223W030BB | C1003X/H1E223W030BB | |
| | 1608 | 0.80±0.10 | ±10% | C1608X7R1H223M080AA | | | |
| | | | ±10% | C1005X7R1H333K050BB | C1005X7R1V333K050BB | | |
| | 1005 | 0.50 ± 0.05 | ±20% | C1005X7R1H333M050BB | C1005X7R1V333M050BB | | |
| 33 nF | | | ±20% | C1608X7R1H333K080AA | C1003X7111V333W030BB | | |
| | 1608 | 0.80±0.10 | ±10% ±20% | C1608X7R1H333M080AA | | | |
| | | | ±10% | C1005X7R1H473K050BB | C1005X7R1V473K050BB | C1005X7R1E473K050BC | C1005X7R1C473K050BC |
| | 1005 | 0.50±0.05 | ±10% ±20% | C1005X7R1H473K050BB | C1005X7R1V473K050BB C1005X7R1V473M050BB | C1005X7R1E473K050BC C1005X7R1E473M050BC | C1005X7R1C473K050BC |
| 47 nF | | | ±10% | C1608X7R1H473K080AA | O TOUGHT THE PAT ON TOUGHD DE | 0.1000X/111E4/0000000 | 0.1000X71110473W030B0 |
| | 1608 | 0.80±0.10 | ±10% ±20% | C1608X7R1H473M080AA | | | |
| | | | | C1005X7R1H683K050BB | C1005X7R1V683K050BB | C100EV7D1E602V0E0DD | C1005X7R1C683K050BC |
| | 1005 | 0.50 ± 0.05 | ±10% ±20% | C1005X7R1H683M050BB | C1005X7R1V683M050BB | C1005X7R1E683K050BB C1005X7R1E683M050BB | C1005X7R1C683M050BC |
| 68 nF | | | ±10% | C1608X7R1H683K080AA | C1003X/111V003W030BB | C1003X/111E003W030BB | C1003X7111C003W1030BC |
| | 1608 | 0.80±0.10 | - | | | | |
| | | | ±20% | C1608X7R1H683M080AA | C100EY7D1\/104K0E0DD | C100EV7D1E104V0E0DD | C100EV7D1C104K0E0DC |
| | 1005 | 0.50 ± 0.05 | ±10% | C1005X7R1H104K050BB | C1005X7R1V104K050BB | C1005X7R1E104K050BB | C1005X7R1C104K050BC |
| | | | ±20% | C1608X7R1H104M050BB | C1005X7R1V104M050BB | C1609X7R1E104M050BB | C1005X7R1C104M050BC |
| 100 nF | 1608 | 0.80±0.10 | ±10% | C1608X7R1H104K080AA | | C1608X7R1E104K080AA | |
| | | | ±20% | C1608X7R1H104M080AA | | C1608X7R1E104M080AA | |
| | 2012 | 0.85±0.15 | ±10% | C2012X7R1H104K085AA | | | |
| | | | ±20% | C2012X7R1H104M085AA | 04005\/7D4\/454\/05050 | 04005\/7545454\/05055 | 04005\/7D4045440555 |
| | 1005 | 0.50±0.05 | ±10% | | C1005X7R1V154K050BC | C1005X7R1E154K050BB | C1005X7R1C154K050BC |
| | | | ±20% | 04000\/7D4 \\514000\/7 | C1005X7R1V154M050BC | C1005X7R1E154M050BB | C1005X7R1C154M050BC |
| 150 nF | 1608 | 0.80±0.10 | ±10% | C1608X7R1H154K080AB | C1608X7R1V154K080AB | C1608X7R1E154K080AA | |
| | | | ±20% | C1608X7R1H154M080AB | C1608X7R1V154M080AB | C1608X7R1E154M080AA | |
| | 2012 | 0.85±0.15 | ±10% | C2012X7R1H154K085AA | | | |
| | | | ±20% | C2012X7R1H154M085AA | | | |

[■] Gray items: These products are not recommended for new designs.



| Canacitanos | Dimensions | Thickness | Capacitance _ | Catalog number | | | |
|---------------------|------------|-------------|---------------------|------------------------|------------------------|------------------------|------------------------|
| Japacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 35V | Rated voltage Edc: 25V | Rated voltage Edc: 16V |
| 150 nF | 2012 | 1.25±0.20 | ±10% | C2012X7R1H154K125AA | | | |
| 130 111 | 2012 | 1.25±0.20 | ±20% | C2012X7R1H154M125AA | | | |
| | 1005 | 0.50±0.05 | ±10% | | C1005X7R1V224K050BC | C1005X7R1E224K050BB | C1005X7R1C224K050BC |
| | 1005 | 0.3010.03 | ±20% | | C1005X7R1V224M050BC | C1005X7R1E224M050BB | C1005X7R1C224M050BC |
| | 1608 | 0.80±0.10 | ±10% | C1608X7R1H224K080AB | C1608X7R1V224K080AB | C1608X7R1E224K080AC | C1608X7R1C224K080AC |
| 220 nF | 1000 | 0.00±0.10 | ±20% | C1608X7R1H224M080AB | C1608X7R1V224M080AB | C1608X7R1E224M080AC | C1608X7R1C224M080AC |
| 220111 | 2012 | 1.25±0.20 | ±10% | C2012X7R1H224K125AA | | | |
| | 2012 | 1.25±0.20 | ±20% | C2012X7R1H224M125AA | | | |
| | 3216 | 1.15±0.15 | ±10% | C3216X7R1H224K115AA | | | |
| | 0210 | 1.10±0.10 | ±20% | C3216X7R1H224M115AA | | | |
| | 1608 | 0.80±0.10 | ±10% | C1608X7R1H334K080AC | C1608X7R1V334K080AB | C1608X7R1E334K080AC | C1608X7R1C334K080A0 |
| | 1000 | 0.00±0.10 | ±20% | C1608X7R1H334M080AC | C1608X7R1V334M080AB | C1608X7R1E334M080AC | C1608X7R1C334M080A0 |
| 330 nF | 2012 | 1.25±0.20 | ±10% | C2012X7R1H334K125AA | | | |
| 000 111 | | 1.2020.20 | ±20% | C2012X7R1H334M125AA | | | |
| 3216 | 3216 | 1.60±0.20 | ±10% | C3216X7R1H334K160AA | | | |
| | 0210 | 1.0010.20 | ±20% | C3216X7R1H334M160AA | | | |
| | 1608 | 0.80±0.10 | ±10% | C1608X7R1H474K080AC | C1608X7R1V474K080AB | C1608X7R1E474K080AB | C1608X7R1C474K080AC |
| | 1000 | 0.00±0.10 | ±20% | C1608X7R1H474M080AC | C1608X7R1V474M080AB | C1608X7R1E474M080AB | C1608X7R1C474M080A0 |
| 470 nF | 2012 | 1.25±0.20 | ±10% | C2012X7R1H474K125AB | C2012X7R1V474K125AB | C2012X7R1E474K125AA | |
| 470111 2012 | 1.25±0.20 | ±20% | C2012X7R1H474M125AB | C2012X7R1V474M125AB | C2012X7R1E474M125AA | | |
| | 3216 | 1.60±0.20 | ±10% | C3216X7R1H474K160AA | | | |
| 0210 | 3210 | 1.00±0.20 | ±20% | C3216X7R1H474M160AA | | | |
| | 1608 | 0.80±0.10 | ±10% | | C1608X7R1V684K080AC | C1608X7R1E684K080AB | C1608X7R1C684K080A0 |
| | 1006 | 0.60±0.10 | ±20% | | C1608X7R1V684M080AC | C1608X7R1E684M080AB | C1608X7R1C684M080A0 |
| 680 nF 2012 3216 | 2012 | 1.25±0.20 | ±10% | C2012X7R1H684K125AB | C2012X7R1V684K125AB | C2012X7R1E684K125AB | C2012X7R1C684K125A |
| | 2012 | 1.25±0.20 | ±20% | C2012X7R1H684M125AB | C2012X7R1V684M125AB | C2012X7R1E684M125AB | C2012X7R1C684M125A/ |
| | 2016 | 1 60 . 0 00 | ±10% | C3216X7R1H684K160AA | | | |
| | 3210 | 1.60±0.20 | ±20% | C3216X7R1H684M160AA | | | |
| | 1608 | 0.80±0.10 | ±10% | | C1608X7R1V105K080AC | C1608X7R1E105K080AB | C1608X7R1C105K080AC |
| | 1006 | 0.60±0.10 | ±20% | | C1608X7R1V105M080AC | C1608X7R1E105M080AB | C1608X7R1C105M080AC |
| | | 0.85±0.15 | ±10% | C2012X7R1H105K085AC | C2012X7R1V105K085AB | C2012X7R1E105K085AB | C2012X7R1C105K085AC |
| | 2012 — | 0.05±0.15 | ±20% | C2012X7R1H105M085AC | C2012X7R1V105M085AB | C2012X7R1E105M085AB | C2012X7R1C105M085A0 |
| | 2012 | 1.25±0.20 | ±10% | C2012X7R1H105K125AB | C2012X7R1V105K125AB | C2012X7R1E105K125AB | C2012X7R1C105K125AA |
| | | 1.25±0.20 | ±20% | C2012X7R1H105M125AB | C2012X7R1V105M125AB | C2012X7R1E105M125AB | C2012X7R1C105M125A |
| 1 μF | | 0.05.045 | ±10% | | | C3216X7R1E105K085AA | |
| ıμΓ | 3216 — | 0.85±0.15 | ±20% | | | C3216X7R1E105M085AA | |
| | 3210 | 1.60±0.20 | ±10% | C3216X7R1H105K160AB | | C3216X7R1E105K160AA | |
| | | 1.00±0.20 | ±20% | C3216X7R1H105M160AB | | C3216X7R1E105M160AA | |
| | 3225 | 1.60±0.20 | ±10% | C3225X7R1H105K160AA | | | |
| | 3223 | 1.00±0.20 | ±20% | C3225X7R1H105M160AA | | | |
| | 4500 | 1.60±0.20 | ±10% | C4532X7R1H105K160KA | | | |
| | 4532 | 1.60±0.20 | ±20% | C4532X7R1H105M160KA | | | |
| | 0010 | 1.05 - 0.00 | ±10% | C2012X7R1H155K125AC | C2012X7R1V155K125AB | C2012X7R1E155K125AC | C2012X7R1C155K125AE |
| | 2012 | 1.25±0.20 | ±20% | C2012X7R1H155M125AC | C2012X7R1V155M125AB | C2012X7R1E155M125AC | C2012X7R1C155M125AE |
| 4.55 | 0010 | 1.00.0.00 | ±10% | C3216X7R1H155K160AB | C3216X7R1V155K160AB | C3216X7R1E155K160AA | |
| 1.5 µF | 3216 | 1.60±0.20 | ±20% | C3216X7R1H155M160AB | C3216X7R1V155M160AB | C3216X7R1E155M160AA | |
| | 0005 | 0.00.000 | ±10% | C3225X7R1H155K200AA | | | |
| | 3225 | 2.00±0.20 | ±20% | C3225X7R1H155M200AA | | | |
| | | | ±10% | | C2012X7R1V225K085AC | C2012X7R1E225K085AB | C2012X7R1C225K085AB |
| | 0010 | 0.85±0.15 | ±20% | | C2012X7R1V225M085AC | C2012X7R1E225M085AB | C2012X7R1C225M085AI |
| | 2012 — | 105.000 | ±10% | C2012X7R1H225K125AC | C2012X7R1V225K125AB | C2012X7R1E225K125AB | C2012X7R1C225K125AE |
| | | 1.25±0.20 | ±20% | C2012X7R1H225M125AC | C2012X7R1V225M125AB | C2012X7R1E225M125AB | C2012X7R1C225M125Al |
| | | | ±10% | C3216X7R1H225K160AB | C3216X7R1V225K160AB | C3216X7R1E225K160AA | |
| 2.2 µF | 3216 | 1.60±0.20 | ±20% | C3216X7R1H225M160AB | C3216X7R1V225M160AB | C3216X7R1E225M160AA | |
| | - | | ±10% | C3225X7R1H225K200AB | | | |
| | 3225 | 2.00±0.20 | ±20% | C3225X7R1H225M200AB | | | |
| | | 2.50±0.30 | ±10% | C3225X7R1H225K250AB | | | |
| | | | ±10% | C4532X7R1H225K160KA | | | |
| | 4532 | 1.60±0.20 | ±20% | C4532X7R1H225M160KA | | | |
| | | | 0 /0 | 00L/ILLOWITOUTA | | | |

[■] Gray items: These products are not recommended for new designs.



| Capacitance | Dimensions | Thickness | Capacitance | | | | | |
|---------------|------------|----------------|--------------|------------------------|--|--|--|--|
| | | (mm) | | Rated voltage Edc: 75V | Rated voltage Edc: 50V | | | |
| | 2012 | 1.25±0.20 | ±10% | | | C2012X7R1V335K125AC | C2012X7R1E335K125AB | C2012X7R1C335K125AB |
| | | | ±20% | | 000401/704110051/40040 | C2012X7R1V335M125AC | C2012X7R1E335M125AB | C2012X7R1C335M125AB |
| | 3216 | 1.60±0.20 | ±10% | | C3216X7R1H335K160AC | C3216X7R1V335K160AB | C3216X7R1E335K160AC | |
| | | | ±20% | | C3216X7R1H335M160AC | C3216X7R1V335M160AB | C3216X7R1E335M160AC | |
| 3.3 µF | | 1.60±0.20 | ±10% | | | | C3225X7R1E335K160AA | |
| | 3225 | | ±20% | | | | C3225X7R1E335M160AA | |
| | | 2.50±0.30 | ±10% | | C3225X7R1H335K250AB | | | |
| | | | ±20% | | C3225X7R1H335M250AB | | | |
| | 4532 | 2.00±0.20 | ±10% | | C4532X7R1H335K200KA | | | |
| | | | ±20% | | C4532X7R1H335M200KA | 00040\/7504\/475\/40540 | 00040\/ZD4E4ZEK40EAD | 00040\/7D4047E\/40EAD |
| | 2012 | 1.25±0.20 | ±10% | | C2012X7R1H475K125AC | C2012X7R1V475K125AC | C2012X7R1E475K125AB | C2012X7R1C475K125AB |
| | | | ±20% ±10% | | | C2012X7R1V475M125AC | C2012X7R1E475M125AB | C2012X7R1C475M125AB C3216X7R1C475K085AB |
| | | 0.85±0.15 | ±10% ±20% | | | C3216X7R1V475K085AC C3216X7R1V475M085AC | C3216X7R1E475K085AB C3216X7R1E475M085AB | C3216X7R1C475K085AB |
| | 3216 | | | | C2016V7D1U47EV160AC | | | |
| | | 1.60±0.20 | ±10% | | C3216X7R1H475K160AC | C3216X7R1V475K160AB | C3216X7R1E475K160AC | C3216X7R1C475K160AB |
| | | | ±20% ±10% | | C3216X7R1H475M160AC | C3216X7R1V475M160AB | C3216X7R1E475M160AC | C3216X7R1C475M160AB |
| 47 | | 2.00±0.20 | | | | | C3225X7R1E475K200AA | |
| 4.7 μF | 3225 | | ±20% ±10% | | COODE V7D1 LIATE VOEDAD | | C3225X7R1E475M200AA | |
| | | 2.50±0.30 | ±10% | | C3225X7R1H475K250AB | | | |
| | | | ±20% | | C3225X7R1H475M250AB C4532X7R1H475K200KB | | | |
| - | 4532 | 2.00±0.20 | ±10% | | | | C4520V7D1E475M200VA | |
| | | | ±20% | | C4532X7R1H475M200KB C5750X7R1H475K200KA | | C4532X7R1E475M200KA | |
| | 5750 | 2.00±0.20 | ±10% | | C5750X7R1H475M200KA | | | |
| | 5750 | 2 90+0 20 | ±20% | | C5750X7R1H475M280KA | | | |
| | | 2.80±0.30 | ±20% | | C3730X711114731812001CA | C3216X7R1V685K160AC | C3216X7R1E685K160AB | C3216X7R1C685K160AC |
| - 6.8 μF - | 3216 | 3216 1.60±0.20 | ±20% | | | C3216X7R1V685M160AC | C3216X7R1E685M160AB | C3216X7R1C685M160AC |
| | | | ±20% | | | C3ZTOA/THTV003IVIT00AC | C3225X7R1E685K250AB | C3210X/111C00SW1100AC |
| | 3225 | 2.50±0.30 | ±20% | | | | C3225X7R1E685M250AB | |
| | | | ±10% | | C4532X7R1H685K250KB | | OOZZOXIIIIZOOSINIZSOAD | |
| | 4532 | 2.50±0.30 | ±20% | | C4532X7R1H685M250KB | | | |
| | | | ±10% | | C5750X7R1H685K250KA | | | |
| | 5750 | 2.50±0.30 | ±20% | | C5750X7R1H685M250KA | | | |
| | | | ±10% | | C3216X7R1H106K160AC | C3216X7R1V106K160AC | C3216X7R1E106K160AB | C3216X7R1C106K160AC |
| | 3216 | 1.60±0.20 | ±20% | | 0021074111110011100710 | C3216X7R1V106M160AC | C3216X7R1E106M160AB | C3216X7R1C106M160AC |
| | | | ±10% | | | 002107011111100111100710 | 00210711112100111100712 | C3225X7R1C106K200AB |
| | | 2.00±0.20 | ±20% | | | | | C3225X7R1C106M200AB |
| | 3225 | | ±10% | C3225X7R1N106K250AC | C3225X7R1H106K250AC | | C3225X7R1E106K250AC | |
| | | 2.50±0.30 | ±20% | C3225X7R1N106M250AC | C3225X7R1H106M250AC | | C3225X7R1E106M250AC | |
| 10 μF | | | ±10% | | | | | C4532X7R1C106K230KA |
| | | 2.30±0.20 | ±20% | | | | | C4532X7R1C106M230KA |
| | 4532 | | ±10% | | | | C4532X7R1E106K250KA | |
| | | 2.50±0.30 | ±20% | | | | C4532X7R1E106M250KA | |
| | | 2.00±0.20 | ±20% | | | | C5750X7R1E106M200KA | |
| | 5750 | | ±10% | | C5750X7R1H106K230KB | | | |
| | | 2.30±0.20 | ±20% | | C5750X7R1H106M230KB | | | |
| | 3225 | 2.50±0.30 | ±20% | | | | | C3225X7R1C156M250AB |
| | 4500 | 2.50±0.30 | ±20% | | | | C4532X7R1E156M250KC | |
| 15 μF | 4532 - | 2.80±0.30 | ±20% | | | | C4532X7R1E156M280KB | |
| | 5750 | 2.30±0.20 | ±20% | | | | C5750X7R1E156M230KA | |
| | | | ±10% | | | | | C3225X7R1C226K250AC |
| | 3225 | 2.50±0.30 | ±20% | | | | C3225X7R1E226M250AB | C3225X7R1C226M250AC |
| | | 2.00±0.20 | ±20% | | | | | C4532X7R1C226M200KC |
| 22 µF | 4532 | 2.30±0.20 | ±20% | | | | | C4532X7R1C226M230KB |
| • | - | 2.50±0.30 | ±20% | | | | C4532X7R1E226M250KC | |
| | | 2.50±0.30 | ±20% | | C5750X7R1H226M250KB | | C5750X7R1E226M250KA | |
| | 5750 | 2.80±0.30 | ±20% | | | | | C5750X7R1C226M280KA |
| 00 - | 4532 | 2.50±0.30 | ±20% | | | | | C4532X7R1C336M250KC |
| 33 µF | 5750 | 2.00±0.20 | ±20% | | | | | C5750X7R1C336M200KB |
| 47 μF | 5750 | 2.30±0.20 | ±20% | | | | | C5750X7R1C476M230KB |
| | | | | | | | | |

 $[\]blacksquare$ Gray items: These products are not recommended for new designs.



| Capacitance Dimensions | | Thickness | Capacitance | Catalog number | | |
|------------------------|------------|------------------|--------------|--|-------------------------|-----------------------|
| Capacitance | Dimensions | s (mm) | tolerance | Rated voltage Edc: 10V | Rated voltage Edc: 6.3V | Rated voltage Edc: 4V |
| 100 pF | 0402 | 0.20±0.02 | ±10% | C0402X7R1A101K020BC | C0402X7R0J101K020BC | C0402X7R0G101K020BC |
| 100 pr | 0402 | 0.20±0.02 | ±20% | C0402X7R1A101M020BC | C0402X7R0J101M020BC | C0402X7R0G101M020BC |
| 150 pF | 0402 | 0.20±0.02 | ±10% | C0402X7R1A151K020BC | C0402X7R0J151K020BC | C0402X7R0G151K020BC |
| 150 pr | 0402 | 0.20±0.02 | ±20% | C0402X7R1A151M020BC | C0402X7R0J151M020BC | C0402X7R0G151M020BC |
| 220 pF | 0402 | 0.20±0.02 | ±10% | C0402X7R1A221K020BC | C0402X7R0J221K020BC | C0402X7R0G221K020BC |
| 220 pi | 0402 | 0.20±0.02 | ±20% | C0402X7R1A221M020BC | C0402X7R0J221M020BC | C0402X7R0G221M020BC |
| 330 pF | 0402 | 0.20±0.02 | ±10% | C0402X7R1A331K020BC | C0402X7R0J331K020BC | C0402X7R0G331K020BC |
| | 0702 | 0.20±0.02 | ±20% | C0402X7R1A331M020BC | C0402X7R0J331M020BC | C0402X7R0G331M020BC |
| 470 pF | 0402 | 0.20±0.02 | ±10% | C0402X7R1A471K020BC | C0402X7R0J471K020BC | C0402X7R0G471K020BC |
| | 0102 | 0.2020.02 | ±20% | C0402X7R1A471M020BC | C0402X7R0J471M020BC | C0402X7R0G471M020BC |
| 680 pF | 0402 | 0.20±0.02 | ±10% | C0402X7R1A681K020BC | C0402X7R0J681K020BC | C0402X7R0G681K020BC |
| | 0102 | 0.2020.02 | ±20% | C0402X7R1A681M020BC | C0402X7R0J681M020BC | C0402X7R0G681M020BC |
| 1 nF | 0402 | 0.20±0.02 | ±10% | C0402X7R1A102K020BC | | |
| | 0.02 | 0.2020.02 | ±20% | C0402X7R1A102M020BC | | |
| 1.5 nF | 0402 | 0.20±0.02 | ±10% | C0402X7R1A152K020BC | | |
| | 0.02 | 0.2020.02 | ±20% | C0402X7R1A152M020BC | | |
| 2.2 nF | 0603 | 0.30±0.03 | ±10% | C0603X7R1A222K030BA | C0603X7R0J222K030BA | |
| 2.2 1 | 0000 | 0.00±0.00 | ±20% | C0603X7R1A222M030BA | C0603X7R0J222M030BA | |
| 4.7 nF | 0603 | 0.30±0.03 | ±10% | C0603X7R1A472K030BA | C0603X7R0J472K030BA | |
| | 7 111 0000 | 0.00±0.00 | ±20% | C0603X7R1A472M030BA | C0603X7R0J472M030BA | |
| 10 nF | 0603 | 0.30±0.03 | ±10% | C0603X7R1A103K030BA | C0603X7R0J103K030BA | |
| | | | ±20% | C0603X7R1A103M030BA | C0603X7R0J103M030BC | |
| 100 nF | 1005 | 0.50±0.05 | ±10% | C1005X7R1A104K050BB | | |
| 150 nF | 1005 | 0.50±0.05 | ±10% | C1005X7R1A154K050BB | | |
| | | | ±20% | C1005X7R1A154M050BB | | |
| 220 nF | 1005 | 0.50±0.05 | ±10% | C1005X7R1A224K050BB | | |
| | | | ±20% | C1005X7R1A224M050BB | | |
| 680 nF | 1608 | 0.80+0.15, -0.10 | ±10% | C1608X7R1A684K080AC | | |
| | | • | ±20% | C1608X7R1A684M080AC | | |
| 1 µF | 1608 | 0.80+0.15, -0.10 | ±10% | C1608X7R1A105K080AC | | |
| | | | ±20% | C1608X7R1A105M080AC | 04000770014551400040 | |
| 1.5 µF | 1608 | 0.80±0.10 | ±10% | C1608X7R1A155K080AC | C1608X7R0J155K080AB | |
| | | - | ±20% | C1608X7R1A155M080AC | C1608X7R0J155M080AB | |
| 2.2 µF | 1608 | 0.80±0.10 | ±10% | C1608X7R1A225K080AC | C1608X7R0J225K080AB | |
| | | | ±20% ±10% | C1608X7R1A225M080AC C2012X7R1A335K125AC | C1608X7R0J225M080AB | |
| 3.3 µF | 2012 | 1.25±0.20 | ±10% | C2012X7R1A335M125AC | | |
| | | | ±20% | C2012X7R1A475K085AC | C2012X7R0J475K085AB | |
| | | 0.85±0.15 | ±10% | C2012X7R1A475M085AC | C2012X7R0J475M085AB | |
| 4.7 µF | 2012 | | ±10% | C2012X7R1A475K125AC | 02012X71100473W003AB | |
| | | 1.25±0.20 | ±20% | C2012X7R1A475M125AC | | |
| | | | ±10% | C2012X7R1A685K125AC | C2012X7R0J685K125AB | |
| 6.8 µF | 2012 | 1.25±0.20 | ±20% | C2012X7R1A685M125AC | C2012X7R0J685M125AB | |
| | | | ±10% | C2012X7R1A106K125AC | C2012X7R0J106K125AB | |
| | 2012 | 1.25±0.20 | ±20% | C2012X7R1A106M125AC | C2012X7R0J106M125AB | |
| | | | ±10% | C3216X7R1A106K085AC | C3216X7R0J106K085AB | |
| 10 μF | | 0.85±0.15 | ±20% | C3216X7R1A106M085AC | C3216X7R0J106M085AB | |
| | 3216 | - | ±10% | C3216X7R1A106K160AC | | |
| | | 1.60±0.20 | ±20% | C3216X7R1A106M160AC | | |
| | | | ±10% | C3225X7R1A226K230AC | | |
| 22 µF | 3225 | 2.30±0.20 | ±20% | C3225X7R1A226M230AC | | |
| | | | | | | |

[■] Gray items: These products are not recommended for new designs.



| 0 | Dimensions | Thickness | Capacitance | Catalog number | | |
|-------------|------------|-------------|-------------|------------------------|------------------------|------------------------|
| Capacitance | Dimensions | (mm) | tolerance | Rated voltage Edc: 50V | Rated voltage Edc: 25V | Rated voltage Edc: 16V |
| 330 nF | 1005 | 0.50.0.05 | ±10% | | | C1005X7S1C334K050BC |
| 330 HF | 1005 | 0.50±0.05 | ±20% | | | C1005X7S1C334M050BC |
| 470 nF | 1005 | 0.50±0.05 | ±10% | | | C1005X7S1C474K050BC |
| 470 HF | 1005 | 0.50±0.05 | ±20% | | | C1005X7S1C474M050BC |
| 1.5 µF | 1608 | 0.80±0.10 | ±10% | | | C1608X7S1C155K080AC |
| 1.5 μΓ | 1606 | 0.00±0.10 | ±20% | | | C1608X7S1C155M080AC |
| 2.2 µF | 1608 | 0.80±0.10 | ±10% | | | C1608X7S1C225K080AC |
| 2.2 μΓ | 1606 | 0.00±0.10 | ±20% | | | C1608X7S1C225M080AC |
| | 2012 | 1.25±0.20 | ±10% | | | C2012X7S1C685K125AC |
| 60 | 2012 | 1.25±0.20 | ±20% | | | C2012X7S1C685M125AC |
| 6.8 μF | 3225 | 2.50±0.30 | ±10% | C3225X7S1H685K250AB | | |
| | 3225 | 2.50±0.50 | ±20% | C3225X7S1H685M250AB | | |
| | 2012 | 1.05 . 0.00 | ±10% | | C2012X7S1E106K125AC | C2012X7S1C106K125AC |
| 10 | 2012 | 1.25±0.20 | ±20% | | | C2012X7S1C106M125AC |
| 10 μF | 3225 | 2.50±0.30 | ±10% | C3225X7S1H106K250AB | | |
| | | | ±20% | C3225X7S1H106M250AB | | |

[■] Gray items: These products are not recommended for new designs.



| Capacitance Dimensions | | Thickness | Capacitance _ | Catalog number | Rated voltage Edc: 6.3V | Rated voltage Edc: 4V |
|------------------------|------|------------------------|---------------|------------------------|-------------------------|-----------------------|
| | | (mm) | tolerance | Rated voltage Edc: 10V | | |
| 22 nF | 0603 | 0.30±0.03 | ±10% | C0603X7S1A223K030BC | C0603X7S0J223K030BB | |
| | | 0.0010.00 | ±20% | C0603X7S1A223M030BC | C0603X7S0J223M030BB | |
| 47 nF | 0603 | 0.30±0.03 | ±10% | C0603X7S1A473K030BC | C0603X7S0J473K030BB | |
| | | | ±20% | C0603X7S1A473M030BC | C0603X7S0J473M030BB | |
| 100 nF | 0603 | 0.30±0.03 | ±10% | C0603X7S1A104K030BC | | C0603X7S0G104K030BC |
| | | | ±20% | C0603X7S1A104M030BC | | C0603X7S0G104M030BC |
| 150 nF | 0603 | 0.30±0.05 | ±10% | | C0603X7S0J154K030BC | |
| | | | ±20% | | C0603X7S0J154M030BC | |
| 220 nF | 0603 | 0.30±0.03 0.30±0.05 | ±10% | | | C0603X7S0G224K030BC |
| | | | ±20% | | | C0603X7S0G224M030BC |
| | | | ±10% | | C0603X7S0J224K030BC | |
| | | | ±20% | | C0603X7S0J224M030BC | |
| 330 nF 470 nF | 1005 | 0.50±0.05 0.50±0.05 | ±10% | C1005X7S1A334K050BC | C1005X7S0J334K050BC | |
| | | | ±20% | C1005X7S1A334M050BC | C1005X7S0J334M050BC | |
| | | | ±10% | C1005X7S1A474K050BC | C1005X7S0J474K050BB | |
| | | | ±20% | C1005X7S1A474M050BC | C1005X7S0J474M050BB | |
| 680 nF | 1005 | 0.50±0.05 | ±10% | C1005X7S1A684K050BC | C1005X7S0J684K050BC | C1005X7S0G684K050BC |
| | | | ±20% | C1005X7S1A684M050BC | C1005X7S0J684M050BC | C1005X7S0G684M050BC |
| 1 µF | 1005 | 0.50±0.05 | ±10% | C1005X7S1A105K050BC | C1005X7S0J105K050BC | C1005X7S0G105K050BC |
| | | | ±20% | C1005X7S1A105M050BC | C1005X7S0J105M050BC | C1005X7S0G105M050BC |
| 1.5 μF | 1005 | 0.50±0.05 | ±10% | | | C1005X7S0G155K050BC |
| | | | ±20% | | | C1005X7S0G155M050BC |
| | | 0.50±0.10 | ±10% | | C1005X7S0J155K050BC | |
| | | | ±20% | | C1005X7S0J155M050BC | |
| | | 0.50+0.15, -0.10 | ±10% | C1005X7S1A155K050BC | | |
| | | | ±20% | C1005X7S1A155M050BC | | |
| 2.2 μF | 1005 | 0.50±0.05 | ±10% | | | C1005X7S0G225K050BC |
| | | | ±20% | | | C1005X7S0G225M050BC |
| | | 0.50±0.10 | ±10% | | C1005X7S0J225K050BC | |
| | | | ±20% | | C1005X7S0J225M050BC | |
| | | 0.50+0.15, -0.10 | ±10% | C1005X7S1A225K050BC | | |
| | | | ±20% | C1005X7S1A225M050BC | | |
| | 1608 | 0.80±0.10 | ±10% | C1608X7S1A225K080AC | C1608X7S0J225K080AB | |
| | | | ±20% | C1608X7S1A225M080AC | C1608X7S0J225M080AB | |
| 3.3 µF | 1608 | 0.80±0.10 | ±10% | | C1608X7S0J335K080AC | C1608X7S0G335K080AC |
| | | | ±20% | | C1608X7S0J335M080AC | C1608X7S0G335M080AC |
| | | 0.80±0.20 | ±10% | C1608X7S1A335K080AC | | |
| | | | ±20% | C1608X7S1A335M080AC | | |
| 4.7 μF | 1608 | 0.80±0.10 | ±10% | | C1608X7S0J475K080AC | C1608X7S0G475K080AC |
| | | | ±20% | | C1608X7S0J475M080AC | C1608X7S0G475M080AC |
| | | 0.80±0.20 | ±10% | C1608X7S1A475K080AC | | |
| | | | ±20% | C1608X7S1A475M080AC | | |
| 68 | 1600 | 0.80-0.20 | ±10% | | C1608X7S0J685K080AC | C1608X7S0G685K080AB |
| 6.8 µF | 1608 | 0.80±0.20 | ±20% | | C1608X7S0J685M080AC | C1608X7S0G685M080AB |
| 10 μF | 1608 | 0.80±0.20 | ±20% | | C1608X7S0J106M080AC | C1608X7S0G106M080AB |
| | 2012 | 0.85±0.15 | ±10% | | C2012X7S0J106K085AC | C2012X7S0G106K085AC |
| | 2012 | U.00±U.15 | ±20% | | C2012X7S0J106M085AC | C2012X7S0G106M085AC |
| 15 μF | 2012 | 1.25±0.20 | ±20% | C2012X7S1A156M125AC | C2012X7S0J156M125AC | C2012X7S0G156M125AC |
| | 3216 | 1.60±0.20 | ±20% | C3216X7S1A156M160AC | C3216X7S0J156M160AB | |
| 22 μF | 2012 | 1.25±0.20 | ±20% | C2012X7S1A226M125AC | C2012X7S0J226M125AC | C2012X7S0G226M125AC |
| | 3216 | 1.60±0.20 | ±20% | C3216X7S1A226M160AC | C3216X7S0J226M160AB | |
| 33 µF | 3216 | 1.60±0.20 | ±20% | | C3216X7S0J336M160AC | C3216X7S0G336M160AB |
| 47 μF | 3216 | 1.60±0.20 | ±20% | | C3216X7S0J476M160AC | C3216X7S0G476M160AB |
| | 3225 | 2.50±0.30 | ±20% | C3225X7S1A476M250AC | C3225X7S0J476M250AC | |

[■] Gray items: These products are not recommended for new designs.