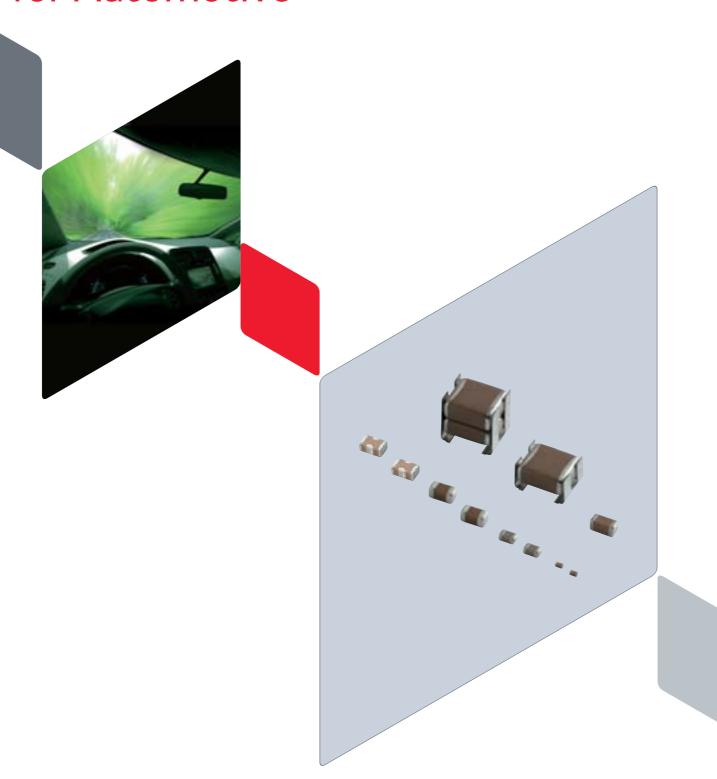


Chip Multilayer Ceramic Capacitors for Automotive

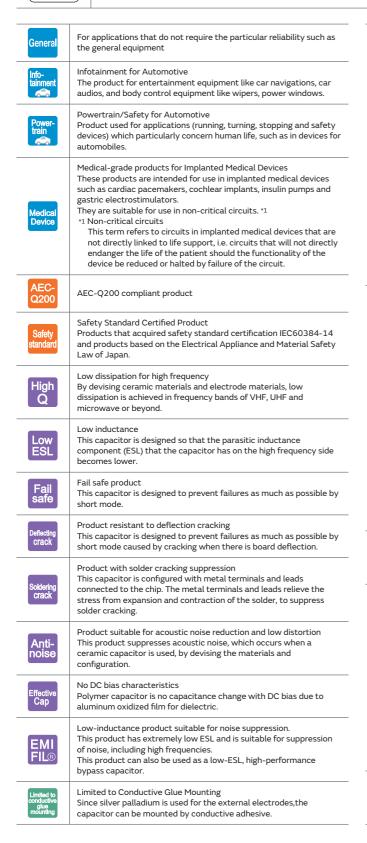




Explanation of Symbols in This Catalog



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

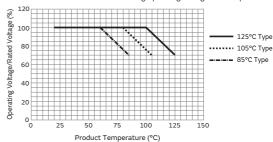


Derating 1

This product is suitable when a voltage continuously applied to a capacitor in an operating circuit, is used below (derated) the rated voltage of the capacitor. This model guarantees the test conditions in the endurance test, at a rated voltage x 100% at the maximum operating temperature. A reliability assurance level equivalent to a common product can be secured, by using this product within the voltage and temperature derated conditions recommended in the

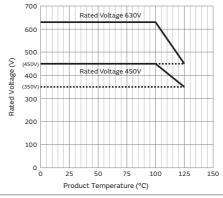
D1

Recommended Conditions of the Derating Operating Voltage and Temperature



Derating 2

When the product temperature exceeds 105°C, please use this product within the voltage and temperature derated conditions in the figure below.



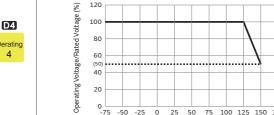
D3

D2

Derating 3

Please apply the derating curve according to the operating temperature. Please refer to detailed specifications sheet for details.

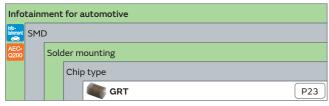
When the product temperature exceeds 125°C, please use this product within the voltage and temperature derated conditions in the figure below

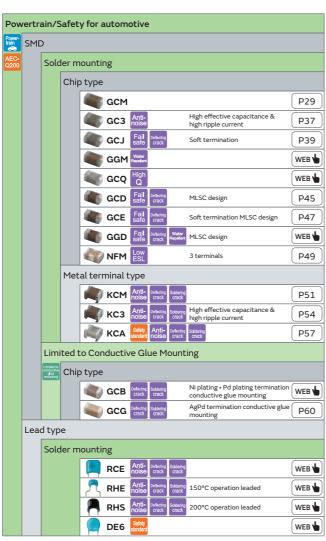


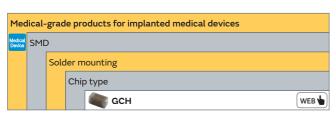
D5

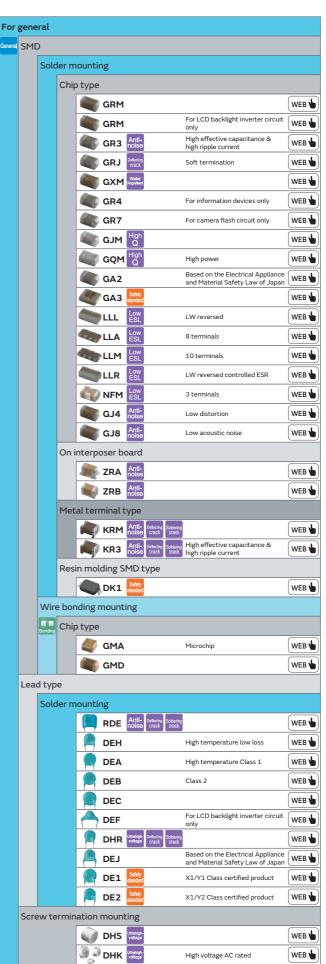
Please apply the rated voltage derating over 150°C. Please refer to detailed specifications sheet for details.

Selection Guide for Capacitors









Part Numbering

Chip Multilayer Ceramic Capacitors for Automotive



(Part Number)

GC M 18 8 R7 1H 102 K A37 D

1 Product ID

2 Series

Product ID	Code	Series
	3	High effective capacitance & High allowable ripple current
	D	Specially designed product to reduce shorts
GC	E	Specially designed product to reduce shorts & resin electrode product
	G	Limited to conductive glue mounting
J		Soft termination type
	М	For automotive
GR	Т	Meet AEC-Q200 for infotainment
	3	Metal terminal type/High effective capacitance & High allowable ripple current
КС	Α	Metel terminal type/ Safety standard certified product
	М	Metal terminal type

3Chip Dimension (L x W)

Code	Dimension (L x W)	EIA
03	0.6 x 0.3mm	0201
15	1.0 x 0.5mm	0402
18	1.6 x 0.8mm	0603
21	2.0 x 1.25mm	0805
31	3.2 x 1.6mm	1206
32	3.2 x 2.5mm	1210
43	4.5 x 3.2mm	1812
55	5.7 x 5.0mm	2220

4Height Dimension (T) (Except KC□)

Code	Dimension (T)			
3	0.3mm			
5	0.5mm			
6	0.6mm			
8	0.8mm			
9	0.85mm			
Α	1.0mm			
В	1.25mm			
С	1.6mm			
D	2.0mm			
E	2.5mm			
M	1.15mm			
Q	1.5mm			
X	Depends on individual standards.			

4 Height Dimension (T) (KC□ Only)

Code	Dimension (T)
L	2.8mm
Q	3.7mm
Т	4.8mm
W	6.4mm

6Temperature Characteristics

	Temperature Temperature Characteristics		Operating	Capacitance Change Each Temperature (%)																												
Code	Public	ic Reference	Temperature	Capacitance Change	Temperature Range	-55°C		*4		-10°C																						
Code	STD Co	de	Temperature	Range	or Temperature Coefficient		Max.	Min.	Max.	Min.	Max.	Min.																				
5C	COG	EIA	25°C	25 to 125°C	0±30ppm/°C	–55 to 125°C	0.58	-0.24	0.4	-0.17	0.25	-0.11																				
5G	X8G	*2	25°C	25 to 150°C	0±30ppm/°C	-55 to 150°C	0.58	-0.24	0.4	-0.17	0.25	-0.11																				
7U	U2J	EIA	25°C	25 to 125°C *3	-750±120ppm/°C	–55 to 125°C	8.78	5.04	6.04	3.47	3.84	2.21																				
	9E ZLM *2			-55 to -40°C	-4700+1000/-2500ppm/°C	-55 to 125°C	-	-	-	-	-	-																				
0.5		*2	20°C	-40 to 20°C	-5350±750ppm/°C		-	-	-	-	-	-																				
9E		^2	20°C	20 to 85°C	-4700±500ppm/°C		-	-	-	-	-	-																				
																								85 to 125°C	-4700+2000/-1000ppm/°C		-	-	-	-	-	-
С7	X7S	EIA	25°C	-55 to 125°C	±22%	-55 to 125°C	-	-	-	-	-	-																				
C8	X6S	EIA	25°C	-55 to 105°C	±22%	–55 to 105°C	-	-	-	-	-	-																				
D7	X7T	EIA	25°C	-55 to 125°C	+22%, -33%	–55 to 125°C	-	-	-	-	-	-																				
L8	X8L	*2	25°C	-55 to 150°C	+15%, -40%	-55 to 150°C	-	-	-	-	-	-																				
M8	X8M	*2	25°C	-55 to 150°C	+15%, -50%	-55 to 150°C	-	-	-	-	-	-																				
R6	X5R	EIA	25°C	−55 to 85°C	±15%	-55 to 85°C	-	-	-	-	-	-																				
R7	X7R	EIA	25°C	-55 to 125°C	±15%	-55 to 125°C	-	-	-	-	-	-																				
R9	X8R	EIA	25°C	-55 to 150°C	±15%	–55 to 150°C	-	-	-	-	-	-																				

^{*1} Capacitance change is specified with 50% rated voltage applied.

Continued on the following page. **7**

^{*2} Murata Temperature Characteristic Code.

^{*3} Rated Voltage 100Vdc max: 25 to 85°C

^{*4 –25°}C (Reference Temperature 20°C) / –30°C (Reference Temperature 25°C)

(Part Number)



Continued from the preceding page. \searrow

6Rated Voltage

Code		
Standard Product	Voltage Derated Product	Rated Voltage
OE	-	DC2.5V
0G	-	DC4V
Ol	EC	DC6.3V
1A	ED	DC10V
1C	EE	DC16V
1E	EF	DC25V
YA	EG	DC35V
1H	EH	DC50V
1J	-	DC63V
1K	-	DC80V
2A	EL	DC100V
2E	-	DC250V
2W	LP	DC450V
2J	LQ	DC630V
ЗА	-	DC1kV
MF	-	X1/Y2: AC250V (Safety Standard Certified Type MF)

Capacitance

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

If there is a decimal point, it is expressed by the capital letter " \mathbf{R} ." In this case, all figures are significant digits.

If any letter, other than ${\rm "R"}$ is included, this indicates the specific part number is a non-standard part.

.,	١

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

3Capacitance Tolerance

Code	Capacitance Tolerance		
С	±0.25pF		
	±0.5pF (Less than 10pF)		
Ь	±0.5% (10pF and over)		
J	±5%		
K	±10%		
M ±20%			

9Individual Specification Code

Expressed by three figures.

Code	Package		
L	ø180mm Embossed Taping		
D/W	ø180mm Paper Taping		
K	ø330mm Embossed Taping		
J	ø330mm Paper Taping		

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

3 Terminal Low ESL Multilayer Ceramic Capacitors

WEB 🖢

(Part Number)

NF M 3D CC 102 R 1H 3 L 9 6 6 9 8 9

1 Product ID 2 Series

Product ID	Series
NFM	3 Terminal Low ESL Type

3Dimensions (LxW)

Code	Dimensions (LxW)	EIA
21	2.0x1.25mm	0805
31	3.2x1.6mm	1206

4 Features

Code	Features					
нс	Powertrain/Safety	For Signal Lines / For Large Current				
НК	101 Addoniotive	For Very Large Current				

GCapacitance

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

6Characteristics

Code	Capacitance Temperature Characteristics
R	±15%, +15/-18%

Rated Voltage

Code	Rated Voltage
1A	10V
1C	16V
1H	50V
2A	100V

8 Electrode

Code	Electrode
3	Sn Plating

Packaging

Code	Packaging
L	Embossed Taping (ø180mm Reel)
D	Paper Taping (ø180mm Reel)

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

GCJ Series

Chip Multilayer Ceramic Capacitors for Automotive

GCM Series







Capacitor for automotive applications such as power train and safety equipment.

Features

(1) Ideal for powertrains and safety devices in automotive.

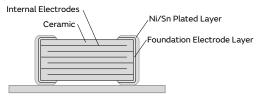
This product can be used for safety devices, such as the drive system control for engine ECU, air bags, and ABS. This product has cleared test conditions more severe than that of general products (GRM Series) even in temperature cycle and humidity load tests.

	General Purpose GRM Series Maximum operating temperature: 125°C	GCM Series for Automotive Maximum operating temperature: 150°C
Items	Test Method	Test Method
Temperature Cycle	Temperature Cycle: 5 cycles	Temperature Cycle: 100 cycles (1,000 cycles for AEC-Q200 conforming products)
Humidity Loading	Test temperature: 40±2°C Test humidity: 90 to 95%RH Test time: 500 hours	Test temperature: 85±2°C Test humidity: 80 to 85%RH Test time: 500 hours (1,000 hours for AEC-Q200 conforming products)

2 Can be used at 125°C and 150°C temperatures.

We also offer a lineup for 150°C that can be used in the engine room.

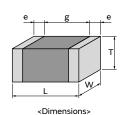
3 Sn plating is applied to the external electrodes; excellent solderability.



<Example of Structure>

Specifications

Size	0.6×0.3mm to 5.7×5.0mm
Rated Voltage	4Vdc to 1000Vdc
Capacitance	0.10pF to 47μF
Main Applications	Safety equipment, such as drive system control, air bags, and ABS of engine ECU



GCM Series Temperature Compensating Type 🚟 🐯 Part Number List

1.0×0.5mm

	5111111				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm	50Vdc	COG	1.0pF	±0.25pF	GCM1555C1H1R0CA16#
			2.0pF	±0.25pF	GCM1555C1H2R0CA16#
			3.0pF	±0.25pF	GCM1555C1H3R0CA16#
			4.0pF	±0.25pF	GCM1555C1H4R0CA16#
			5.0pF	±0.25pF	GCM1555C1H5R0CA16#
			6.0pF	±0.5pF	GCM1555C1H6R0DA16#
			7.0pF	±0.5pF	GCM1555C1H7R0DA16#
			8.0pF	±0.5pF	GCM1555C1H8R0DA16#
			9.0pF	±0.5pF	GCM1555C1H9R0DA16#
			10pF	±5%	GCM1555C1H100JA16#
			12pF	±5%	GCM1555C1H120JA16#
			15pF	±5%	GCM1555C1H150JA16#
			18pF	±5%	GCM1555C1H180JA16#
			22pF	±5%	GCM1555C1H220JA16#
			27pF	±5%	GCM1555C1H270JA16#
			33pF	±5%	GCM1555C1H330JA16#
			39pF	±5%	GCM1555C1H390JA16#
			47pF	±5%	GCM1555C1H470JA16#
			56pF	±5%	GCM1555C1H560JA16#
			68pF	±5%	GCM1555C1H680JA16#
			82pF	±5%	GCM1555C1H820JA16#
			100pF	±5%	GCM1555C1H101JA16#
			120pF	±5%	GCM1555C1H121JA16#
			150pF	±5%	GCM1555C1H151JA16#
			180pF	±5%	GCM1555C1H181JA16#
			220pF	±5%	GCM1555C1H221JA16#
			270pF	±5%	GCM1555C1H271JA16#
			330pF	±5%	GCM1555C1H331JA16#
			390pF	±5%	GCM1555C1H391JA16#
			470pF	±5%	GCM1555C1H471JA16#
			560pF	±5%	GCM1555C1H561JA16#
			680pF	±5%	GCM1555C1H681JA16#
			820pF	±5%	GCM1555C1H821JA16#
			1000pF	±5%	GCM1555C1H102JA16#
		X8G	1.0pF		GCM1555G1H1R0CA16#
		7.00	2.0pF	· ·	GCM1555G1H2R0CA16#
			3.0pF	•	GCM1555G1H3R0CA16#
			4.0pF	•	GCM1555G1H4R0CA16#
			5.0pF	•	GCM1555G1H5R0CA16#
			12pF	±5%	GCM1555G1H120JA16#
			15pF	±5%	GCM1555G1H150JA16#
			18pF	±5%	GCM1555G1H180JA16#
			22pF	±5%	GCM1555G1H220JA16#
				±5%	GCM1555G1H270JA16#
			27pF		
			33pF	±5%	GCM1555G1H330JA16#
			39pF	±5%	GCM1555G1H390JA16#
			47pF	±5%	GCM1555G1H470JA16#
			56pF	±5%	GCM1555G1H560JA16#
			68pF	±5%	GCM1555G1H680JA16#
			82pF	±5%	GCM1555G1H820JA16#
			100pF	±5%	GCM1555G1H101JA16#
			120pF	±5%	GCM1555G1H121JA16#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	50Vdc	X8G	150pF	±5%	GCM1555G1H151JA16#	
			180pF	±5%	GCM1555G1H181JA16#	
			220pF	±5%	GCM1555G1H221JA16#	
			270pF	±5%	GCM1555G1H271JA16#	
			330pF	±5%	GCM1555G1H331JA16#	
			390pF	±5%	GCM1555G1H391JA16#	
			470pF	±5%	GCM1555G1H471JA16#	
			560pF	±5%	GCM1555G1H561JA16#	
			680pF	±5%	GCM1555G1H681JA16#	
			820pF	±5%	GCM1555G1H821JA16#	
			1000pF	±5%	GCM1555G1H102JA16#	

1.6×0.8mm

T Rated TC Cap. Tol. Part Number	
0.9mm 100Vdc COG 1.0pF ±0.25pF GCM1885C2A1R0CA1	6#
2.0pF ±0.25pF GCM1885C2A2R0CA1	6#
3.0pF ±0.25pF GCM1885C2A3R0CA1	6#
4.0pF ±0.25pF GCM1885C2A4R0CA1	6#
5.0pF ±0.25pF GCM1885C2A5R0CA1	6#
6.0pF ±0.5pF GCM1885C2A6R0DA1	6#
7.0pF ±0.5pF GCM1885C2A7R0DA1	6#
8.0pF ±0.5pF GCM1885C2A8R0DA1	6#
9.0pF ±0.5pF GCM1885C2A9R0DA1	6#
10pF ±5% GCM1885C2A100JA1	5#
12pF ±5% GCM1885C2A120JA1	5#
15pF ±5% GCM1885C2A150JA1	6#
18pF ±5% GCM1885C2A180JA1	5#
22pF ±5% GCM1885C2A220JA1	5#
27pF ±5% GCM1885C2A270JA1	5#
33pF ±5% GCM1885C2A330JA1	5#
39pF ±5% GCM1885C2A390JA1	5#
47pF ±5% GCM1885C2A470JA1	5#
56pF ±5% GCM1885C2A560JA1	5#
68pF ±5% GCM1885C2A680JA1	5#
82pF ±5% GCM1885C2A820JA1	5#
100pF ±5% GCM1885C2A101JA1	5#
120pF ±5% GCM1885C2A121JA1	5#
150pF ±5% GCM1885C2A151JA1	5#
180pF ±5% GCM1885C2A181JA1	5#
220pF ±5% GCM1885C2A221JA1	5#
270pF ±5% GCM1885C2A271JA1	5#
330pF ±5% GCM1885C2A331JA1	5#
390pF ±5% GCM1885C2A391JA1	5#
470pF ±5% GCM1885C2A471JA1	5#
560pF ±5% GCM1885C2A561JA1	5#
680pF ±5% GCM1885C2A681JA1	5#
820pF ±5% GCM1885C2A821JA1	
1000pF ±5% GCM1885C2A102JA1	
1200pF ±5% GCM1885C2A122JA1	
1500pF ±5% GCM1885C2A152JA1	
U2J 1000pF ±5% GCM1887U2A102JA1	
1200pF ±5% GCM1887U2A122JA1	5 #

Part number # indicates the package specification code.

GCM Series Temperature Compensating Type 🚟 🐯 Part Number List

(→ 1.6	0.8mm	1)			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	100Vdc	U2J	1500pF	±5%	GCM1887U2A152JA16#
			1800pF	±5%	GCM1887U2A182JA16#
			2200pF	±5%	GCM1887U2A222JA16#
			2700pF	±5%	GCM1887U2A272JA16#
			3300pF	±5%	GCM1887U2A332JA16#
			3900pF	±5%	GCM1887U2A392JA16#
			4700pF	±5%	GCM1887U2A472JA16#
			5600pF	±5%	GCM1887U2A562JA16#
			6800pF	±5%	GCM1887U2A682JA16#
			8200pF	±5%	GCM1887U2A822JA16#
			10000pF	±5%	GCM1887U2A103JA16#
	50Vdc	COG	1.0pF	±0.25pF	GCM1885C1H1R0CA16#
			2.0pF	±0.25pF	GCM1885C1H2R0CA16#
			3.0pF	±0.25pF	GCM1885C1H3R0CA16#
			4.0pF	±0.25pF	GCM1885C1H4R0CA16#
			5.0pF	±0.25pF	GCM1885C1H5R0CA16#
			6.0pF	±0.5pF	GCM1885C1H6R0DA16#
			7.0pF	±0.5pF	GCM1885C1H7R0DA16#
			8.0pF	±0.5pF	GCM1885C1H8R0DA16#
			9.0pF	±0.5pF	GCM1885C1H9R0DA16#
			10pF	±5%	GCM1885C1H100JA16#
			12pF	±5%	GCM1885C1H120JA16#
			15pF	±5%	GCM1885C1H150JA16#
			18pF	±5%	GCM1885C1H180JA16#
			22pF	±5%	GCM1885C1H220JA16#
			27pF	±5%	GCM1885C1H270JA16#
			33pF	±5%	GCM1885C1H330JA16#
			39pF	±5% ±5%	GCM1885C1H390JA16# GCM1885C1H470JA16#
			47pF 56pF	±5%	GCM1885C1H560JA16#
			68pF	±5%	GCM1885C1H680JA16#
			82pF	±5%	GCM1885C1H820JA16#
			100pF	±5%	GCM1885C1H101JA16#
			120pF	±5%	GCM1885C1H121JA16#
			150pF	±5%	GCM1885C1H151JA16#
			180pF	±5%	GCM1885C1H181JA16#
			220pF	±5%	GCM1885C1H221JA16#
			270pF	±5%	GCM1885C1H271JA16#
			330pF	±5%	GCM1885C1H331JA16#
			390pF	±5%	GCM1885C1H391JA16#
			470pF	±5%	GCM1885C1H471JA16#
			560pF	±5%	GCM1885C1H561JA16#
			680pF	±5%	GCM1885C1H681JA16#
			820pF	±5%	GCM1885C1H821JA16#
			1000pF	±5%	GCM1885C1H102JA16#
			1200pF	±5%	GCM1885C1H122JA16#
			1500pF	±5%	GCM1885C1H152JA16#
			1800pF	±5%	GCM1885C1H182JA16#
			2200pF	±5%	GCM1885C1H222JA16#
			2700pF	±5%	GCM1885C1H272JA16#
			3300pF	±5%	GCM1885C1H332JA16#
			3900pF	±5%	GCM1885C1H392JA16#
		U2J	1000pF	±5%	GCM1887U1H102JA16#
			1200pF	±5%	GCM1887U1H122JA16#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	50Vdc	U2J	1500pF	±5%	GCM1887U1H152JA16#	
			1800pF	±5%	GCM1887U1H182JA16#	
			2200pF	±5%	GCM1887U1H222JA16#	
			2700pF	±5%	GCM1887U1H272JA16#	
			3300pF	±5%	GCM1887U1H332JA16#	
			3900pF	±5%	GCM1887U1H392JA16#	
			4700pF	±5%	GCM1887U1H472JA16#	
			5600pF	±5%	GCM1887U1H562JA16#	
			6800pF	±5%	GCM1887U1H682JA16#	
			8200pF	±5%	GCM1887U1H822JA16#	
			10000pF	±5%	GCM1887U1H103JA16#	

2.0×1.25mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.7mm	100Vdc	COG	100pF	±5%	GCM2165C2A101JA16#	_
			120pF	±5%	GCM2165C2A121JA16#	
			150pF	±5%	GCM2165C2A151JA16#	
			180pF	±5%	GCM2165C2A181JA16#	
			220pF	±5%	GCM2165C2A221JA16#	
			270pF	±5%	GCM2165C2A271JA16#	
			330pF	±5%	GCM2165C2A331JA16#	_
			390pF	±5%	GCM2165C2A391JA16#	_
			470pF	±5%	GCM2165C2A471JA16#	_
			560pF	±5%	GCM2165C2A561JA16#	_
			680pF	±5%	GCM2165C2A681JA16#	_
			820pF	±5%	GCM2165C2A821JA16#	_
			1000pF	±5%	GCM2165C2A102JA16#	_
			1200pF	±5%	GCM2165C2A122JA16#	_
			1500pF	±5%	GCM2165C2A152JA16#	
			1800pF	±5%	GCM2165C2A182JA16#	_
			2200pF	±5%	GCM2165C2A222JA16#	
			2700pF	±5%	GCM2165C2A272JA16#	
			3300pF	±5%	GCM2165C2A332JA16#	
	50Vdc	COG	4700pF	±5%	GCM2165C1H472JA16#	
0.95mm	100Vdc	ZLM	1000pF	±10%	GCM2199E2A102KA05#	
				±20%	GCM2199E2A102MA05#	
			1100pF	±10%	GCM2199E2A112KA05#	
				±20%	GCM2199E2A112MA05#	
			1200pF	±10%	GCM2199E2A122KA05#	
				±20%	GCM2199E2A122MA05#	
			1300pF	±10%	GCM2199E2A132KA05#	
				±20%	GCM2199E2A132MA05#	
			1500pF	±10%	GCM2199E2A152KA05#	
				±20%	GCM2199E2A152MA05#	
	80Vdc	COG	15000pF	±5%	GCM2195C1K153JA16#	
	63Vdc	COG	15000pF	±5%	GCM2195C1J153JA16#	
	50Vdc	COG	5600pF	±5%	GCM2195C1H562JA16#	
			6800pF	±5%	GCM2195C1H682JA16#	
			8200pF	±5%	GCM2195C1H822JA16#	
			10000pF	±5%	GCM2195C1H103JA16#	
			12000pF	±5%	GCM2195C1H123JA16#	
			15000pF	±5%	GCM2195C1H153JA16#	
			Part num	ber#indi	cates the package specification cod	de.

GCM Series Temperature Compensating Type Part Number List

(→ 2.0×1.25mm)

(→ 2.0)	د1.25mı	m)				
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.0mm	630Vdc	COG	10pF	±5%	GCM21A5C2J100JX01#	
			12pF	±5%	GCM21A5C2J120JX01#	
			15pF	±5%	GCM21A5C2J150JX01#	
			18pF	±5%	GCM21A5C2J180JX01#	
			22pF	±5%	GCM21A5C2J220JX01#	
			27pF	±5%	GCM21A5C2J270JX01#	
			33pF	±5%	GCM21A5C2J330JX01#	
			39pF	±5%	GCM21A5C2J390JX01#	
			47pF	±5%	GCM21A5C2J470JX01#	
			56pF	±5%	GCM21A5C2J560JX01#	
			68pF	±5%	GCM21A5C2J680JX01#	
			82pF	±5%	GCM21A5C2J820JX01#	
			100pF	±5%	GCM21A5C2J101JX01#	
			120pF	±5%	GCM21A5C2J121JX01#	
			150pF	±5%	GCM21A5C2J151JX01#	
			180pF	±5%	GCM21A5C2J181JX01#	
			220pF	±5%	GCM21A5C2J221JX01#	
			270pF	±5%	GCM21A5C2J271JX01#	
			330pF	±5%	GCM21A5C2J331JX01#	
			390pF	±5%	GCM21A5C2J391JX01#	
			470pF	±5%	GCM21A5C2J471JX01#	
			560pF	±5%	GCM21A5C2J561JX01#	
	250Vdc	COG	10pF	±5%	GCM21A5C2E100JX01#	
			12pF	±5%	GCM21A5C2E120JX01#	
			15pF	±5%	GCM21A5C2E150JX01#	
			18pF	±5%	GCM21A5C2E180JX01#	
			22pF	±5%	GCM21A5C2E220JX01#	
			27pF	±5%	GCM21A5C2E270JX01#	
			33pF	±5%	GCM21A5C2E330JX01#	
			39pF	±5%	GCM21A5C2E390JX01#	
			47pF	±5%	GCM21A5C2E470JX01#	
			56pF	±5%	GCM21A5C2E560JX01#	
			68pF	±5%	GCM21A5C2E680JX01#	
			82pF	±5%	GCM21A5C2E820JX01#	
			100pF	±5%	GCM21A5C2E101JX01#	
			120pF	±5%	GCM21A5C2E121JX01#	
			150pF	±5%	GCM21A5C2E151JX01#	
			180pF	±5%	GCM21A5C2E181JX01#	
			220pF	±5%	GCM21A5C2E221JX01#	
			270pF	±5%	GCM21A5C2E271JX01#	
			330pF	±5%	GCM21A5C2E331JX01#	
			390pF	±5%	GCM21A5C2E391JX01#	
			470pF	±5%	GCM21A5C2E471JX01#	
			560pF	±5%	GCM21A5C2E561JX01#	
			680pF	±5%	GCM21A5C2E681JX01#	
			820pF	±5%	GCM21A5C2E821JX01#	
			1000pF	±5%	GCM21A5C2E102JX01#	
			1200pF	±5%	GCM21A5C2E122JX01#	
			1500pF	±5%	GCM21A5C2E152JX01#	
			1800pF	±5%	GCM21A5C2E182JX01#	
			2200pF	±5%	GCM21A5C2E222JX01#	
			2700pF	±5%	GCM21A5C2E272JX01#	
		U2J	100pF	±5%	GCM21A7U2E101JX01#	
			120pF	±5%	GCM21A7U2E121JX01#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.0mm	250Vdc	U2J	150pF	±5%	GCM21A7U2E151JX01#	
			180pF	±5%	GCM21A7U2E181JX01#	
			220pF	±5%	GCM21A7U2E221JX01#	
			270pF	±5%	GCM21A7U2E271JX01#	
			330pF	±5%	GCM21A7U2E331JX01#	
			390pF	±5%	GCM21A7U2E391JX01#	
			470pF	±5%	GCM21A7U2E471JX01#	
			560pF	±5%	GCM21A7U2E561JX01#	
			680pF	±5%	GCM21A7U2E681JX01#	
			820pF	±5%	GCM21A7U2E821JX01#	
			1000pF	±5%	GCM21A7U2E102JX01#	
			1200pF	±5%	GCM21A7U2E122JX01#	
			1500pF	±5%	GCM21A7U2E152JX01#	
			1800pF	±5%	GCM21A7U2E182JX01#	
			2200pF	±5%	GCM21A7U2E222JX01#	
1.4mm	80Vdc	COG	18000pF	±5%	GCM21B5C1K183JA16#	
			20000pF	±5%	GCM21B5C1K203JA16#	
			22000pF	±5%	GCM21B5C1K223JA16#	
	63Vdc	COG	18000pF	±5%	GCM21B5C1J183JA16#	
			20000pF	±5%	GCM21B5C1J203JA16#	
			22000pF	±5%	GCM21B5C1J223JA16#	
	50Vdc	COG	18000pF	±5%	GCM21B5C1H183JA16#	
			22000pF	±5%	GCM21B5C1H223JA16#	
1.45mm	630Vdc	COG	680pF	±5%	GCM21B5C2J681JX03#	
			820pF	±5%	GCM21B5C2J821JX03#	
			1000pF	±5%	GCM21B5C2J102JX03#	
			1200pF	±5%	GCM21B5C2J122JX03#	
	250Vdc	COG	3300pF	±5%	GCM21B5C2E332JX01#	
			3900pF	±5%	GCM21B5C2E392JX01#	
			4700pF	±5%	GCM21B5C2E472JX01#	
		U2J	2700pF	±5%	GCM21B7U2E272JX03#	_
			3300pF	±5%	GCM21B7U2E332JX03#	
			3900pF	±5%	GCM21B7U2E392JX03#	
			4700pF	±5%	GCM21B7U2E472JX03#	
			5600pF	±5%	GCM21B7U2E562JX03#	

3.2×1.6mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.95mm	100Vdc	COG	3900pF	±5%	GCM3195C2A392JA16#	
			4700pF	±5%	GCM3195C2A472JA16#	
			5600pF	±5%	GCM3195C2A562JA16#	
			6800pF	±5%	GCM3195C2A682JA16#	
			8200pF	±5%	GCM3195C2A822JA16#	
			10000pF	±5%	GCM3195C2A103JA16#	
	80Vdc	COG	33000pF	±5%	GCM3195C1K333JA16#	
1.0mm	1000Vdc	COG	10pF	±5%	GCM31A5C3A100JX01#	
			12pF	±5%	GCM31A5C3A120JX01#	
			15pF	±5%	GCM31A5C3A150JX01#	
			18pF	±5%	GCM31A5C3A180JX01#	
			22pF	±5%	GCM31A5C3A220JX01#	
			27pF	±5%	GCM31A5C3A270JX01#	
			33pF	±5%	GCM31A5C3A330JX01#	

GCM Series Temperature Compensating Type 🚟 🦝 Part Number List

(→ 3.2×1.6mm)

(→ 3.2	∙1.6mm)			
T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
1.0mm	1000Vdc	COG	39pF	±5%	GCM31A5C3A390JX01#
			47pF	±5%	GCM31A5C3A470JX01#
			56pF	±5%	GCM31A5C3A560JX01#
			68pF	±5%	GCM31A5C3A680JX01#
			82pF	±5%	GCM31A5C3A820JX01#
			100pF	±5%	GCM31A5C3A101JX01#
			120pF	±5%	GCM31A5C3A121JX01#
			150pF	±5%	GCM31A5C3A151JX01#
			180pF	±5%	GCM31A5C3A181JX01#
			220pF	±5%	GCM31A5C3A221JX01#
			270pF	±5%	GCM31A5C3A271JX01#
			330pF	±5%	GCM31A5C3A331JX01#
			390pF	±5%	GCM31A5C3A391JX01#
			470pF	±5%	GCM31A5C3A471JX01#
		U2J	10pF	±5%	GCM31A7U3A100JX01#
			12pF	±5%	GCM31A7U3A120JX01#
			15pF	±5%	GCM31A7U3A150JX01#
			18pF	±5%	GCM31A7U3A180JX01#
			22pF	±5%	GCM31A7U3A220JX01#
			27pF	±5%	GCM31A7U3A270JX01#
			33pF	±5%	GCM31A7U3A330JX01#
			39pF	±5%	GCM31A7U3A390JX01#
			47pF	±5%	GCM31A7U3A470JX01#
			56pF	±5%	GCM31A7U3A560JX01#
			68pF	±5%	GCM31A7U3A680JX01#
			82pF	±5%	GCM31A7U3A820JX01#
			100pF 120pF	±5% ±5%	GCM31A7U3A101JX01# GCM31A7U3A121JX01#
			150pF	±5%	GCM31A7U3A151JX01#
			180pF	±5%	GCM31A7U3A181JX01#
			220pF	±5%	GCM31A7U3A221JX01#
			270pF	±5%	GCM31A7U3A271JX01#
			330pF	±5%	GCM31A7U3A331JX01#
	630Vdc	COG	10pF	±5%	GCM31A5C2J100JX01#
			12pF	±5%	GCM31A5C2J120JX01#
			15pF	±5%	GCM31A5C2J150JX01#
			18pF	±5%	GCM31A5C2J180JX01#
			22pF	±5%	GCM31A5C2J220JX01#
			27pF	±5%	GCM31A5C2J270JX01#
			33pF	±5%	GCM31A5C2J330JX01#
			39pF	±5%	GCM31A5C2J390JX01#
			47pF	±5%	GCM31A5C2J470JX01#
			56pF	±5%	GCM31A5C2J560JX01#
			68pF	±5%	GCM31A5C2J680JX01#
			82pF	±5%	GCM31A5C2J820JX01#
			100pF	±5%	GCM31A5C2J101JX01#
			120pF	±5%	GCM31A5C2J121JX01#
			150pF	±5%	GCM31A5C2J151JX01#
			180pF	±5%	GCM31A5C2J181JX01#
			220pF	±5%	GCM31A5C2J221JX01#
			270pF	±5%	GCM31A5C2J271JX01#
			330pF	±5%	GCM31A5C2J331JX01#
			390pF	±5%	GCM31A5C2J391JX01#
			470pF	±5%	GCM31A5C2J471JX01#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.0mm	630Vdc	COG	560pF	±5%	GCM31A5C2J561JX01#	
			680pF	±5%	GCM31A5C2J681JX01#	_
			820pF	±5%	GCM31A5C2J821JX01#	_
			1000pF	±5%	GCM31A5C2J102JX01#	_
			1200pF	±5%	GCM31A5C2J122JX01#	_
			1500pF	±5%	GCM31A5C2J152JX01#	_
			1800pF	±5%	GCM31A5C2J182JX01#	_
		U2J	10pF	±5%	GCM31A7U2J100JX01#	
			12pF	±5%	GCM31A7U2J120JX01#	
			15pF	±5%	GCM31A7U2J150JX01#	
			18pF	±5%	GCM31A7U2J180JX01#	
			22pF	±5%	GCM31A7U2J220JX01#	
			27pF	±5%	GCM31A7U2J270JX01#	
			33pF	±5%	GCM31A7U2J330JX01#	
			39pF	±5%	GCM31A7U2J390JX01#	
			47pF	±5%	GCM31A7U2J470JX01#	
			56pF	±5%	GCM31A7U2J560JX01#	
			68pF	±5%	GCM31A7U2J680JX01#	
			82pF	±5%	GCM31A7U2J820JX01#	
			100pF	±5%	GCM31A7U2J101JX01#	
			120pF	±5%	GCM31A7U2J121JX01#	
			150pF	±5%	GCM31A7U2J151JX01#	_
			180pF	±5%	GCM31A7U2J181JX01#	_
			220pF	±5%	GCM31A7U2J221JX01#	_
			270pF	±5%	GCM31A7U2J271JX01#	_
			330pF	±5%	GCM31A7U2J331JX01#	_
			390pF	±5%	GCM31A7U2J391JX01#	_
			470pF	±5%	GCM31A7U2J471JX01#	_
			560pF	±5%	GCM31A7U2J561JX01#	_
			680pF	±5%	GCM31A7U2J681JX01#	_
			820pF	±5%	GCM31A7U2J821JX01#	_
			1000pF	±5%	GCM31A7U2J102JX01#	_
			1200pF	±5%	GCM31A7U2J122JX01#	_
			1500pF	±5%	GCM31A7U2J152JX01# GCM31A7U2J182JX01#	_
			1800pF 2200pF	±5% ±5%	GCM31A7U2J222JX01#	_
	250Vdc	COG	10pF	±5%	GCM31A5C2E100JX01#	_
	250 Vuc	Cod	12pF	±5%	GCM31A5C2E120JX01#	_
			15pF	±5%	GCM31A5C2E150JX01#	_
			18pF	±5%	GCM31A5C2E180JX01#	_
			22pF	±5%	GCM31A5C2E220JX01#	_
			27pF	±5%	GCM31A5C2E270JX01#	_
			33pF	±5%	GCM31A5C2E330JX01#	_
			39pF	±5%	GCM31A5C2E390JX01#	_
			47pF	±5%	GCM31A5C2E470JX01#	_
			56pF	±5%	GCM31A5C2E560JX01#	_
			68pF	±5%	GCM31A5C2E680JX01#	_
			82pF	±5%	GCM31A5C2E820JX01#	_
			100pF	±5%	GCM31A5C2E101JX01#	_
			120pF	±5%	GCM31A5C2E121JX01#	_
			150pF	±5%	GCM31A5C2E151JX01#	_
			180pF	±5%	GCM31A5C2E181JX01#	_
			220pF	±5%	GCM31A5C2E221JX01#	_
			270pF	±5%	GCM31A5C2E271JX01#	_
			Part num	ber#indi	cates the package specification cod	le.

GCM Series Temperature Compensating Type Res Part Number List

(→ 3.2×1.6mm)

	<1.6mm	_			
T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number
1.0mm	250Vdc	COG	330pF	±5%	GCM31A5C2E331JX01#
			390pF	±5%	GCM31A5C2E391JX01#
			470pF	±5%	GCM31A5C2E471JX01#
			560pF	±5%	GCM31A5C2E561JX01#
			680pF	±5%	GCM31A5C2E681JX01#
			820pF	±5%	GCM31A5C2E821JX01#
			1000pF	±5%	GCM31A5C2E102JX01#
			1200pF	±5%	GCM31A5C2E122JX01#
			1500pF	±5%	GCM31A5C2E152JX01#
			1800pF	±5%	GCM31A5C2E182JX01#
			2200pF	±5%	GCM31A5C2E222JX01#
			2700pF	±5%	GCM31A5C2E272JX01#
			3300pF	±5%	GCM31A5C2E332JX01#
			3900pF	±5%	GCM31A5C2E392JX01#
			4700pF	±5%	GCM31A5C2E472JX01#
			5600pF	±5%	GCM31A5C2E562JX01#
			6800pF	±5%	GCM31A5C2E682JX01#
		U2J	2700pF	±5%	GCM31A7U2E272JX01#
			3300pF	±5%	GCM31A7U2E332JX01#
			3900pF	±5%	GCM31A7U2E392JX01#
			4700pF	±5%	GCM31A7U2E472JX01#
			5600pF	±5%	GCM31A7U2E562JX01#
1.25mm	1000Vdc	COG	560pF	±5%	GCM31B5C3A561JX01#
			680pF	±5%	GCM31B5C3A681JX01#
		U2J	390pF	±5%	GCM31B7U3A391JX01#
		023	470pF	±5%	GCM31B7U3A471JX01#
			560pF	±5%	GCM31B7U3A561JX01#
			680pF	±5%	GCM31B7U3A681JX01#
	630Vdc	COG	2200pF	±5%	GCM31B5C2J222JX01#
	OSOVAC	Cod	2700pF	±5%	GCM31B5C2J272JX01#
		U2J	2700pF	±5%	GCM31B7U2J272JX01#
		023	3300pF		
	250)/4-	000		±5%	GCM31B7U2J332JX01#
	250Vdc	COG	8200pF	±5%	GCM31B5C2E822JX01#
			10000pF	±5%	GCM31B5C2E103JX01#
			12000pF	±5%	GCM31B5C2E123JX01#
		U2J	6800pF	±5%	GCM31B7U2E682JX01#
			8200pF	±5%	GCM31B7U2E822JX01#
4.5	400000		10000pF	±5%	GCM31B7U2E103JX01#
1.8mm	1000Vdc	COG	820pF	±5%	GCM31C5C3A821JX03#
			1000pF	±5%	GCM31C5C3A102JX03#
		U2J	820pF	±5%	GCM31C7U3A821JX03#
			1000pF	±5%	GCM31C7U3A102JX03#
	630Vdc	C0G	3300pF	±5%	GCM31C5C2J332JX03#
		U2J	3900pF	±5%	GCM31C7U2J392JX03#
			4700pF	±5%	GCM31C7U2J472JX03#
	250Vdc	COG	15000pF	±5%	GCM31C5C2E153JX03#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
1.0mm	630Vdc	U2J	2200pF	±5%	GCM32A7U2J222JX01#
1.25mm	1000Vdc	U2J	1200pF	±5%	GCM32B7U3A122JX01#
	630Vdc	U2J	5600pF	±5%	GCM32B7U2J562JX01#
1.5mm	1000Vdc	U2J	1500pF	±5%	GCM32Q7U3A152JX01#
	630Vdc	U2J	6800pF	±5%	GCM32Q7U2J682JX01#
2.0mm	1000Vdc	U2J	1800pF	±5%	GCM32D7U3A182JX01#
			2200pF	±5%	GCM32D7U3A222JX01#
	630Vdc	U2J	8200pF	±5%	GCM32D7U2J822JX01#
			10000pF	±5%	GCM32D7U2J103JX01#

4.5×3.2mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
1.5mm	1000Vdc	U2J	2700pF	±5%	GCM43Q7U3A272JX01#	
			3300pF	±5%	GCM43Q7U3A332JX01#	
	630Vdc	U2J	12000pF	±5%	GCM43Q7U2J123JX01#	
2.0mm	1000Vdc	U2J	3900pF	±5%	GCM43D7U3A392JX01#	
			4700pF	±5%	GCM43D7U3A472JX01#	
	630Vdc	U2J	15000pF	±5%	GCM43D7U2J153JX01#	
			18000pF	±5%	GCM43D7U2J183JX01#	
			22000pF	±5%	GCM43D7U2J223JX01#	

5.7×5.0mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
1.5mm	1000Vdc	U2J	5600pF	±5%	GCM55Q7U3A562JX01#
			6800pF	±5%	GCM55Q7U3A682JX01#
	630Vdc	U2J	27000pF	±5%	GCM55Q7U2J273JX01#
2.0mm	1000Vdc	U2J	8200pF	±5%	GCM55D7U3A822JX01#
			10000pF	±5%	GCM55D7U3A103JX01#
	630Vdc	U2J	33000pF	±5%	GCM55D7U2J333JX01#
			39000pF	±5%	GCM55D7U2J393JX01#
			47000pF	±5%	GCM55D7U2J473JX01#

3.2×2.5mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
1.0mm	630Vdc	U2J	1200pF	±5%	GCM32A7U2J122JX01#	
			1500pF	±5%	GCM32A7U2J152JX01#	
			1800pF	±5%	GCM32A7U2J182JX01#	

GCM Series High Dielectric Constant Type Report Number List

0.6×0.3mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.33mm	25Vdc	X7R	100pF	±10%	GCM033R71E101KA03#
			150pF	±10%	GCM033R71E151KA03#
			220pF	±10%	GCM033R71E221KA03#
			330pF	±10%	GCM033R71E331KA03#
			470pF	±10%	GCM033R71E471KA03#
			680pF	±10%	GCM033R71E681KA03#
			1000pF	±10%	GCM033R71E102KA03#
			1500pF	±10%	GCM033R71E152KA03#
			2200pF	±10%	GCM033R71E222KE02#
			3300pF	±10%	GCM033R71E332KE02#
	16Vdc	X7R	330pF	±10%	GCM033R71C331KA03#
			680pF	±10%	GCM033R71C681KA03#
			2200pF	±10%	GCM033R71C222KA55#
			3300pF	±10%	GCM033R71C332KA55#
	10Vdc	X7R	4700pF	±10%	GCM033R71A472KA03#
			6800pF	±10%	GCM033R71A682KA03#
			10000pF	±10%	GCM033R71A103KA03#

1.0×0.5mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
0.55mm	100Vdc	X7R	220pF	±10%	GCM155R72A221KA37#	
			330pF	±10%	GCM155R72A331KA37#	
			470pF	±10%	GCM155R72A471KA37#	
			680pF	±10%	GCM155R72A681KA37#	
			1000pF	±10%	GCM155R72A102KA37#	
			1500pF	±10%	GCM155R72A152KA37#	
			2200pF	±10%	GCM155R72A222KA37#	
			3300pF	±10%	GCM155R72A332KA37#	
			4700pF	±10%	GCM155R72A472KA37#	
	50Vdc	X8L	33000pF	±10%	GCM155L8EH333KE07#	
			47000pF	±10%	GCM155L8EH473KE07#	
			68000pF	±10%	GCM155L8EH683KE07#	
			0.10µF	±10%	GCM155L8EH104KE07#	
		X7R	220pF	±10%	GCM155R71H221KA37#	
			330pF	±10%	GCM155R71H331KA37#	
			470pF	±10%	GCM155R71H471KA37#	
			680pF	±10%	GCM155R71H681KA37#	
			1000pF	±10%	GCM155R71H102KA37#	
			1500pF	±10%	GCM155R71H152KA37#	
			2200pF	±10%	GCM155R71H222KA37#	
			3300pF	±10%	GCM155R71H332KA37#	
			4700pF	±10%	GCM155R71H472KA37#	
			6800pF	±10%	GCM155R71H682KA55#	
			10000pF	±10%	GCM155R71H103KA55#	
			15000pF	±10%	GCM155R71H153KA55#	
			22000pF	±10%	GCM155R71H223KA55#	
			33000pF	±10%	GCM155R71H333KE02#	
			47000pF	±10%	GCM155R71H473KE02#	
			68000pF	±10%	GCM155R71H683KE02#	
			0.10µF	±10%	GCM155R71H104KE02#	

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.55mm	25Vdc	X8L	0.10µF	±10%	GCM155L81E104KE02#	
		X7R	10000pF	±10%	GCM155R71E103KA37#	
			15000pF	±10%	GCM155R71E153KA55#	
			22000pF	±10%	GCM155R71E223KA55#	
			33000pF	±10%	GCM155R71E333KA55#	
			47000pF	±10%	GCM155R71E473KA55#	
	16Vdc	X7R	33000pF	±10%	GCM155R71C333KA37#	
			47000pF	±10%	GCM155R71C473KA37#	
			68000pF	±10%	GCM155R71C683KA55#	
			0.10µF	±10%	GCM155R71C104KA55#	
			0.15µF	±10%	GCM155R71C154KE02#	
			0.22µF	±10%	GCM155R71C224KE02#	
0.6mm	10Vdc	X7S	0.47µF	±10%	GCM155C71A474KE36#	
0.7mm	10Vdc	X7S	0.68µF	±10%	GCM155C71A684KE38#	
			1.0µF	±10%	GCM155C71A105KE38#	

1.6×0.8mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	100Vdc	X7R	1000pF	±10%	GCM188R72A102KA37#	
			1500pF	±10%	GCM188R72A152KA37#	
			2200pF	±10%	GCM188R72A222KA37#	
			3300pF	±10%	GCM188R72A332KA37#	
			4700pF	±10%	GCM188R72A472KA37#	
			6800pF	±10%	GCM188R72A682KA37#	
			10000pF	±10%	GCM188R72A103KA37#	
			15000pF	±10%	GCM188R72A153KA37#	
			22000pF	±10%	GCM188R72A223KA37#	
	50Vdc	X7R	0.22µF	±10%	GCM188R71H224KA64#	
	25Vdc	X7R	0.22µF	±10%	GCM188R71E224KA55#	
			0.47µF	±10%	GCM188R71E474KA64#	
			1.0µF	±10%	GCM188R71E105KA64#	
	16Vdc	X7R	0.33µF	±10%	GCM188R71C334KA37#	
			0.47µF	±10%	GCM188R71C474KA55#	
			1.0µF	±10%	GCM188R71C105KA64#	
	6.3Vdc	X7R	2.2µF	±10%	GCM188R70J225KE22#	

2.0×1.25mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.7mm	100Vdc	X7R	6800pF	±10%	GCM216R72A682KA37#	
			10000pF	±10%	GCM216R72A103KA37#	
			15000pF	±10%	GCM216R72A153KA37#	
			22000pF	±10%	GCM216R72A223KA37#	
0.95mm	100Vdc	X7R	33000pF	±10%	GCM219R72A333KA37#	
	50Vdc	X7R	0.33µF	±10%	GCM219R71H334KA55#	
	25Vdc	X7R	0.47µF	±10%	GCM219R71E474KA55#	
	16Vdc	X7R	0.68µF	±10%	GCM219R71C684KA37#	
			1.0µF	±10%	GCM219R71C105KA37#	
1.4mm	100Vdc	X7R	47000pF	±10%	GCM21BR72A473KA37#	
			68000pF	±10%	GCM21BR72A683KA37#	
			0.10µF	±10%	GCM21BR72A104KA37#	

Part number # indicates the package specification code.

GCM Series High Dielectric Constant Type 🚟 🐯 Part Number List

→ 2.0×1.25mm)

(→ 2.0>	1.25m	m)					
T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number		
1.4mm	50Vdc	X7R	0.22µF	±10%	GCM21BR71H224KA37#		
			0.47µF	±10%	GCM21BR71H474KA55#		
			1.0µF	±10%	GCM21BR71H105KA03#		
	35Vdc	X8L	2.2µF	±10%	GCM21BL8EG225KE07#		
		X7R	0.68µF	±10%	GCM21BR7YA684KA55#		
			1.0µF	±10%	GCM21BR7YA105KA55#		
			1.5µF	±10%	GCM21BR7YA155KA54#		
		X7S	2.2µF	±10%	GCM21BC7YA225KE02#		
	25Vdc	X8L	1.5µF	±10%	GCM21BL8EF155KA07#		
		X7R	0.15µF	±10%	GCM21BR71E154KA37#		
				0.22µF	±10%	GCM21BR71E224KA37#	
			0.33µF	±10%	GCM21BR71E334KA37#		
			0.68µF	±10%	GCM21BR71E684KA55#		
			1.0µF	±10%	GCM21BR71E105KA56#		
			1.5µF	±10%	GCM21BR71E155KA54#		
			2.2µF	±10%	GCM21BR71E225KA73#		
	16Vdc	X7R	2.2µF	±10%	GCM21BR71C225KA64#		
			4.7µF	±10%	GCM21BR71C475KA73#		
	10Vdc	X7R	2.2µF	±10%	GCM21BR71A225KA37#		
			10µF	±10%	GCM21BR71A106KE22#		
		X7S	4.7µF	±10%	GCM21BC71A475KA73#		
	6.3Vdc	X7R	10µF	±10%	GCM21BR70J106KE22#		
1.45mm	100Vdc	X7S	1.0µF	±10%	GCM21BC72A105KE36#		
	35Vdc	X8L	4.7µF	±10%	GCM21BL8EG475KE08#		
		X7S	4.7µF	±10%	GCM21BC7YA475KE36#		
	25Vdc	X8L	4.7µF	±10%	GCM21BL8EF475KE08#		
		X7S	4.7µF	±10%	GCM21BC71E475KE36#		
	16Vdc	X7S	10µF	±10%	GCM21BC71C106KE36#		

3.2×2.5mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
2.2mm	100Vdc	X8L	4.7µF	±10%	GCM32DL8EL475KE07#	
		X7S	4.7µF	±10%	GCM32DC72A475KE02#	
	16Vdc	X7R	10µF	±10%	GCM32DR71C106KA37#	
2.7mm	50Vdc	X8L	10µF	±10%	GCM32EL8EH106KA07#	
		X7R	4.7µF	±10%	GCM32ER71H475KA55#	
		X7S	10µF	±10%	GCM32EC71H106KA03#	
	35Vdc	X7S	10µF	±10%	GCM32EC7YA106KA03#	
	25Vdc	X7R	10µF	±10%	GCM32ER71E106KA57#	
	16Vdc	X7R	22µF	±20%	GCM32ER71C226ME19#	
	10Vdc	X7R	22µF	±20%	GCM32ER71A226ME12#	
	6.3Vdc	X7R	47µF	±20%	GCM32ER70J476ME19#	
2.85mm	25Vdc	X8L	22µF	±10%	GCM32EL8EF226KE08#	
		X7S	22µF	±10%	GCM32EC71E226KE36#	

3.2×1.6mm

T max.	Rated Voltage	TC Code	Сар.	Tol.	Part Number	
1.25mm	100Vdc	X7R	0.22µF	±10%	GCM31MR72A224KA37#	
	50Vdc	X7R	0.33µF	±10%	GCM31MR71H334KA37#	
			0.47µF	±10%	GCM31MR71H474KA37#	
			0.68µF	±10%	GCM31MR71H684KA55#	
1.8mm	100Vdc	X8L	2.2µF	±10%	GCM31CL8EL225KE07#	
		X7R	1.0µF	±10%	GCM31CR72A105KA03#	
		X7S	2.2µF	±10%	GCM31CC72A225KE02#	
	50Vdc	X7R	2.2µF	±10%	GCM31CR71H225KA55#	
		X7S	4.7µF	±10%	GCM31CC71H475KA03#	
	25Vdc	X7R	4.7µF	±10%	GCM31CR71E475KA55#	
	16Vdc	X7R	4.7µF	±10%	GCM31CR71C475KA37#	
			10µF	±10%	GCM31CR71C106KA64#	
	10Vdc	X7R	10µF	±10%	GCM31CR71A106KA64#	
			22µF	±10%	GCM31CR71A226KE02#	
	6.3Vdc	X7R	22µF	±20%	GCM31CR70J226ME23#	
1.9mm	25Vdc	X7S	10µF	±10%	GCM31CC71E106KA03#	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Murata:

```
GCM1885G1H8R4CA16J GCM1885G1H300FA16J GCM1885G1H9R0BA16J GCM2165G1H151FA16J
GCM2165G1H152GA16D GCM1885G1HR60DA16J GCM1885G1H300GA16J GCM1885G1H910JA16D
GCM1885G1H911FA16J GCM1885G1H330GA16D GCM1885G1H8R0DA16J GCM31CR71H684MA37K
GCM31CR91E684KA37K GCM31M5C1H433FA16K GCM31M5C1H433JA16K GCM1885G1H221GA16D
GCM1885G1H241GA16J GCM3195G1H622GA16J GCM3195G1H682GA16J GCM3195G1H912GA16J
GCM3195G2A152JA16J GCM3195G2A162JA16D GCM1885G1H202GA16J GCM1885C2A1R6BA16D
GCM1885C2A220GA16D GCM1885C1H301FA16J GCM1885C1H331FA16J GCM1885G1H301GA16J
GCM3195G1H432JA16J GCM1885C2A200GA16J GCM1885C2A102GA16J GCM1885C1H122FA16J
GCM1885C1H330GA16J GCM1885C1H3R0WA16D GCM1885C1H3R2WA16D GCM1885G1H8R7BA16J
GCM1885G1H2R8DA16J GCM1885C2A151GA16D GCM1885C1K362GA16J GCM1885C1H152FA16J
GCM1885C2A200FA16D GCM1555G1H5R7BA16J GCM1555G1H5R7CA16D GCM1555G1H680FA16J
GCM1885C1H9R9CA16J GCM1885C1HR82BA16J GCM1885C1HR90BA16J GCM1555G1H620JA16D
GCM2165C2A431FA16D GCM2165C2A471FA16J GCM2165C2A511FA16D GCM1885C1H9R1BA16D
GCM1885C1H9R3BA16J GCM3195G1H223GA16J GCM1885C1HR51BA16J GCM1555G1H6R1BA16J
GCM2165C2A271FA16D GCM1885C1H9R8CA16J GCM1555G1H620FA16D GCM1885G2A361JA16D
GCM1885G2A431JA16J GCM1885G2A510JA16J GCM1885G2A620GA16D GCM1885G2A431GA16D
GCM1885G2A390FA16J GCM1885G1H8R5DA16D GCM1885G1H330FA16D GCM1885G1H331FA16D
GCM1885G1H331GA16J GCM1885G1H910JA16J GCM1885G2A331GA16J GCM1885G1H9R0CA16J
GCM1885G1H8R5DA16J GCM31MR71E335MA57K GCM31MR71E474MA37K GCM1885G1H8R4BA16J
GCM1885G1H8R5CA16J GCM1885C2A6R4BA16D GCM1885C2A6R8CA16D GCM2165G1H132JA16J
GCM1885G1H300GA16D GCM1885G1H8R9CA16D GCM1885G1H911FA16D GCM1885C1H2R7WA16J
GCM1885C1H301FA16D GCM2165G1H131FA16J GCM1885G1H560GA16D GCM1885G1H5R4CA16J
GCM1885G1H5R5BA16D GCM1885C1H8R6CA16D GCM1885C1H911GA16D GCM1555G1H620JA16J
GCM1885C1H392GA16J GCM1885C1H3R2WA16J GCM1885C1H2R7BA16J GCM2165C2A161FA16D
GCM2165C2A161FA16J GCM1885C1H7R2BA16J GCM1885C1H7R5BA16J GCM1555G1H4R4BA16D
```