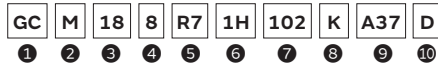


● Part Numbering

Chip Monolithic Ceramic Capacitors for Automotive



(Part Number)



① Product ID

② Series

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

③ Chip 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

⑤ Temperature Characteristics

Temperature Characteristic Codes			Temperature Characteristics			Operating Temperature Range	Capacitance Change Each Temperature (%)					
Code	Public STD Code	Reference Temperature	Temperature Range	Capacitance Change or Temperature Coefficient	-55°C		*4		-10°C			
					Max.		Min.	Max.	Min.	Max.	Min.	
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	20°C	-55 to -40°C	-4700+1000/-2500ppm/°C	-55 to 125°C	-	-	-	-	-	-
				-40 to 20°C	-5350±750ppm/°C		-	-	-	-	-	
				20 to 85°C	-4700±500ppm/°C		-	-	-	-	-	
				85 to 125°C	-4700+2000/-1000ppm/°C		-	-	-	-	-	
C7	X7S	EIA	25°C	-55 to 125°C	±22%	-55 to 125°C	-	-	-	-	-	-
C8	X6S	EIA	25°C	-55 to 105°C	±22%	-55 to 105°C	-	-	-	-	-	-
D7	X7T	EIA	25°C	-55 to 125°C	+22%, -33%	-55 to 125°C	-	-	-	-	-	-
L8	X8L	*2	25°C	-55 to 150°C	+15%, -40%	-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.

*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)

④ Height Dimension (T) (Except KC□)

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

④ Height Dimension (T) (KC□ Only)

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

Continued on the following page. ↗

(Part Number)

GC	M	18	8	R7	1H	102	K	A37	D
1	2	3	4	5	6	7	8	9	10

Continued from the preceding page. ↘

⑥ Rated Voltage

Code	Rated Voltage
0E	DC2.5V
0G	DC4V
0J	DC6.3V
1A	DC10V
1C	DC16V
1E	DC25V
YA	DC35V
1H	DC50V
1J	DC63V
1K	DC80V
2A	DC100V
2E	DC250V
2W	DC450V
2J	DC630V
3A	DC1kV
MF	X1/Y2: AC250V (Safety Standard Certified Type MF)

⑦ Capacitance

Expressed by three-digit alphanumeric. 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 "R."
In this case, all figures are significant digits.

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

Ex.)

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

⑧ Capacitance Tolerance

Code	Capacitance Tolerance
C	±0.25pF
D	±0.5pF
J	±5%
K	±10%
M	±20%

⑨ Individual Specification Code

Expressed by three figures.

⑩ Package

Code	Package
L	ø180mm Embossed Taping
D/W	ø180mm Paper Taping
K	ø330mm Embossed Taping
J	ø330mm Paper Taping
B	Bulk
C	Bulk Case

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

⚠Note • Please read rating and ⚠CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.
• This catalog has only typical specifications. Therefore, please approve our product specifications or transact the approval sheet for product specifications before ordering.

GRT Series

GCM Series

GC3 Series

GCD Series

GCE Series

GCG Series

GCJ Series

KCM Series

KC3 Series

KCA Series

NMF Series

⚠Caution/
Notice

GCM Series Temperature Compensating Type

⚠Caution/
Notice

NMF Series

KCA Series

KC3 Series

KCM Series

GCJ Series

GCG Series

GCE Series

GCD Series

GC3 Series

GCM Series

GRT Series

GCM Series Temperature Compensating Type Part Number List

(1.6×0.8mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	100Vdc	COG	15pF	±5%	GCM1885C2A150JA16#	
			18pF	±5%	GCM1885C2A180JA16#	
			22pF	±5%	GCM1885C2A220JA16#	
			27pF	±5%	GCM1885C2A270JA16#	
			33pF	±5%	GCM1885C2A330JA16#	
			39pF	±5%	GCM1885C2A390JA16#	
			47pF	±5%	GCM1885C2A470JA16#	
			56pF	±5%	GCM1885C2A560JA16#	
			68pF	±5%	GCM1885C2A680JA16#	
			82pF	±5%	GCM1885C2A820JA16#	
			100pF	±5%	GCM1885C2A101JA16#	
			120pF	±5%	GCM1885C2A121JA16#	
			150pF	±5%	GCM1885C2A151JA16#	
			180pF	±5%	GCM1885C2A181JA16#	
			220pF	±5%	GCM1885C2A221JA16#	
			270pF	±5%	GCM1885C2A271JA16#	
			330pF	±5%	GCM1885C2A331JA16#	
			390pF	±5%	GCM1885C2A391JA16#	
			470pF	±5%	GCM1885C2A471JA16#	
			560pF	±5%	GCM1885C2A561JA16#	
			680pF	±5%	GCM1885C2A681JA16#	
			820pF	±5%	GCM1885C2A821JA16#	
			1000pF	±5%	GCM1885C2A102JA16#	
			1200pF	±5%	GCM1885C2A122JA16#	
			1500pF	±5%	GCM1885C2A152JA16#	
			U2J	1000pF	±5%	GCM1887U2A102JA16#
				1200pF	±5%	GCM1887U2A122JA16#
				1500pF	±5%	GCM1887U2A152JA16#
				1800pF	±5%	GCM1887U2A182JA16#
				2200pF	±5%	GCM1887U2A222JA16#
		2700pF		±5%	GCM1887U2A272JA16#	
		3300pF		±5%	GCM1887U2A332JA16#	
		3900pF		±5%	GCM1887U2A392JA16#	
		4700pF		±5%	GCM1887U2A472JA16#	
		5600pF		±5%	GCM1887U2A562JA16#	
		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#				

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.9mm	50Vdc	COG	39pF	±5%	GCM1885C1H390JA16#	
			47pF	±5%	GCM1885C1H470JA16#	
			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#	
			U2J	1000pF	±5%	GCM1887U1H102JA16#
				1200pF	±5%	GCM1887U1H122JA16#
				1500pF	±5%	GCM1887U1H152JA16#
				1800pF	±5%	GCM1887U1H182JA16#
				2200pF	±5%	GCM1887U1H222JA16#
				2700pF	±5%	GCM1887U1H272JA16#
				3300pF	±5%	GCM1885C1H332JA16#
				3900pF	±5%	GCM1885C1H392JA16#
				4700pF	±5%	GCM1887U1H472JA16#
				5600pF	±5%	GCM1887U1H562JA16#
		50Vdc	COG	1000pF	±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#

Part number # indicates the package specification code.

GRT Series
 GCM Series
 GC3 Series
 GCD Series
 GCE Series
 GCG Series
 GCJ Series
 KCM Series
 KC3 Series
 KCA Series
 NMF Series
 ⚠Caution/ Notice

GCM Series Temperature Compensating Type Part Number List

(2.0×1.25mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number			
0.7mm	100Vdc	COG	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	1000pF	±5%	GCM2165C1H102JA16#	
					1200pF	±5%	GCM2165C1H122JA16#	
	1500pF	±5%			GCM2165C1H152JA16#			
	1800pF	±5%			GCM2165C1H182JA16#			
	2200pF	±5%			GCM2165C1H222JA16#			
	2700pF	±5%			GCM2165C1H272JA16#			
	3300pF	±5%			GCM2165C1H332JA16#			
	3900pF	±5%			GCM2165C1H392JA16#			
	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#			
1.0mm		250Vdc	U2J	100pF	±5%	GCM21A7U2E101JX01#		
				120pF	±5%	GCM21A7U2E121JX01#		
	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#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number		
1.4mm	80Vdc	COG	22000pF	±5%	GCM21B5C1K223JA16#		
			63Vdc	COG	18000pF	±5%	GCM21B5C1J183JA16#
					20000pF	±5%	GCM21B5C1J203JA16#
	50Vdc	COG	22000pF	±5%	GCM21B5C1J223JA16#		
			18000pF	±5%	GCM21B5C1H183JA16#		
					22000pF	±5%	GCM21B5C1H223JA16#
1.45mm	250Vdc	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	1800pF	±5%	GCM3195C2A182JA16#
			2200pF	±5%	GCM3195C2A222JA16#
			2700pF	±5%	GCM3195C2A272JA16#
			3300pF	±5%	GCM3195C2A332JA16#
			3900pF	±5%	GCM3195C2A392JA16#
			4700pF	±5%	GCM3195C2A472JA16#
			5600pF	±5%	GCM3195C2A562JA16#
			6800pF	±5%	GCM3195C2A682JA16#
			8200pF	±5%	GCM3195C2A822JA16#
			10000pF	±5%	GCM3195C2A103JA16#
	80Vdc	COG	33000pF	±5%	GCM3195C1K333JA16#
	63Vdc	COG	33000pF	±5%	GCM3195C1J333JA16#
	50Vdc	COG	3900pF	±5%	GCM3195C1H392JA16#
			4700pF	±5%	GCM3195C1H472JA16#
			5600pF	±5%	GCM3195C1H562JA16#
			6800pF	±5%	GCM3195C1H682JA16#
			8200pF	±5%	GCM3195C1H822JA16#
			10000pF	±5%	GCM3195C1H103JA16#
			12000pF	±5%	GCM3195C1H123JA16#
			15000pF	±5%	GCM3195C1H153JA16#
18000pF			±5%	GCM3195C1H183JA16#	
22000pF			±5%	GCM3195C1H223JA16#	
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#
			39pF	±5%	GCM31A5C3A390JX01#
			47pF	±5%	GCM31A5C3A470JX01#
			56pF	±5%	GCM31A5C3A560JX01#
			68pF	±5%	GCM31A5C3A680JX01#
			82pF	±5%	GCM31A5C3A820JX01#
			100pF	±5%	GCM31A5C3A101JX01#

Part number # indicates the package specification code.

GCM Series Temperature Compensating Type **Power-train** **AEC-Q200** Part Number List

(3.2×1.6mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	T max.								
1.0mm	1000Vdc	COG	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	±5%	GCM31A7U3A101JX01#									
			120pF	±5%	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#									
	560pF	±5%			GCM31A5C2J561JX01#									
	680pF	±5%			GCM31A5C2J681JX01#									
	820pF	±5%			GCM31A5C2J821JX01#									
	1000pF	±5%			GCM31A5C2J102JX01#									
	1200pF	±5%			GCM31A5C2J122JX01#									
	1500pF	±5%			GCM31A5C2J152JX01#									

GRT Series

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GCM Series Temperature Compensating Type Part Number List

(3.2×1.6mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number		
1.0mm	250Vdc	COG	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#		
		6800pF		±5%	GCM31A7U2E682JX01#		
		1.25mm	1000Vdc	COG	560pF	±5%	GCM31B5C3A561JX01#
680pF	±5%				GCM31B5C3A681JX01#		
U2J	390pF				±5%	GCM31B7U3A391JX01#	
	470pF				±5%	GCM31B7U3A471JX01#	
	560pF				±5%	GCM31B7U3A561JX01#	
680pF	±5%				GCM31B7U3A681JX01#		
630Vdc	COG			2200pF	±5%	GCM31B5C2J222JX01#	
				2700pF	±5%	GCM31B5C2J272JX01#	
				U2J	2700pF	±5%	GCM31B7U2J272JX01#
	3300pF				±5%	GCM31B7U2J332JX01#	
	250Vdc				COG	8200pF	±5%
				10000pF		±5%	GCM31B5C2E103JX01#
12000pF			±5%	GCM31B5C2E123JX01#			
U2J			6800pF	±5%	GCM31B7U2E682JX01#		
			8200pF	±5%	GCM31B7U2E822JX01#		
			10000pF	±5%	GCM31B7U2E103JX01#		
50Vdc	COG		47000pF	±5%	GCM31M5C1H473JA16#		
			56000pF	±5%	GCM31M5C1H563JA16#		
1.8mm	1000Vdc	COG	820pF	±5%	GCM31C5C3A821JX03#		
			1000pF	±5%	GCM31C5C3A102JX03#		
			U2J	820pF	±5%	GCM31C7U3A821JX03#	
		1000pF		±5%	GCM31C7U3A102JX03#		
		630Vdc		COG	3300pF	±5%	GCM31C5C2J332JX03#
			U2J		3900pF	±5%	GCM31C7U2J392JX03#
	4700pF				±5%	GCM31C7U2J472JX03#	
	250Vdc			COG	15000pF	±5%	GCM31C5C2E153JX03#
			50Vdc		COG	68000pF	±5%
	75000pF			±5%		GCM31C5C1H753JA16#	
	82000pF	±5%		GCM31C5C1H823JA16#			
	91000pF	±5%		GCM31C5C1H913JA16#			
	0.10μF	±5%		GCM31C5C1H104JA16#			

3.2×2.5mm

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

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
1.0mm	630Vdc	U2J	1800pF	±5%	GCM32A7U2J182JX01#
			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
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
10000pF	±5%	GCM55D7U3A103JX01#			
630Vdc	U2J	33000pF		±5%	GCM55D7U2J333JX01#
		39000pF		±5%	GCM55D7U2J393JX01#
47000pF	±5%	GCM55D7U2J473JX01#			

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GCM Series High Dielectric Constant Type   Part 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%	GCM033R71C222KA55#
	3300pF	±10%	GCM033R71C332KA55#		
	16Vdc	X7R	4700pF	±10%	GCM033R71A472KA03#
	10Vdc	X7R	6800pF	±10%	GCM033R71A682KA03#
			10000pF	±10%	GCM033R71A103KA03#

1.0×0.5mm

T max.	Rated Voltage	TC Code	Cap.	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	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#				
	25Vdc	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#			

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm	16Vdc	X7R	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	1000pF	±10%	GCM188R71H102KA37#
			1500pF		±10%	GCM188R71H152KA37#	
			2200pF		±10%	GCM188R71H222KA37#	
	3300pF	±10%	GCM188R71H332KA37#				
	4700pF	±10%	GCM188R71H472KA37#				
	6800pF	±10%	GCM188R71H682KA37#				
	10000pF	±10%	GCM188R71H103KA37#				
	15000pF	±10%	GCM188R71H153KA37#				
	22000pF	±10%	GCM188R71H223KA37#				
	33000pF	±10%	GCM188R71H333KA55#				
	47000pF	±10%	GCM188R71H473KA55#				
	68000pF	±10%	GCM188R71H683KA57#				
	0.10μF	±10%	GCM188R71H104KA57#				
	0.15μF	±10%	GCM188R71H154KA64#				
	0.22μF	±10%	GCM188R71H224KA64#				
25Vdc	X7R	33000pF	±10%	GCM188R71E333KA37#			
47000pF		±10%	GCM188R71E473KA37#				
68000pF		±10%	GCM188R71E683KA57#				
0.10μF		±10%	GCM188R71E104KA57#				
0.15μF		±10%	GCM188R71E154KA37#				
0.22μF		±10%	GCM188R71E224KA55#				
16Vdc	X7R	0.47μF	±10%	GCM188R71E474KA64#			
		1.0μF	±10%	GCM188R71E105KA64#			
		0.10μF	±10%	GCM188R71C104KA37#			
		0.33μF	±10%	GCM188R71C334KA37#			
6.3Vdc	X7R	0.47μF	±10%	GCM188R71C474KA55#			
		1.0μF	±10%	GCM188R71C105KA64#			
6.3Vdc	X7R	2.2μF	±10%	GCM188R70J225KE22#			

2.0×1.25mm   

GCM Series High Dielectric Constant Type Part Number List

(2.0×1.25mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number	
0.7mm	100Vdc	X7R	10000pF	±10%	GCM216R72A103KA37#	
			15000pF	±10%	GCM216R72A153KA37#	
			22000pF	±10%	GCM216R72A223KA37#	
0.95mm	100Vdc	X7R	33000pF	±10%	GCM219R72A333KA37#	
			50Vdc	X7R	33000pF	±10%
				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#	
	50Vdc	X7R	47000pF	±10%	GCM21BR71H473KA37#	
			68000pF	±10%	GCM21BR71H683KA37#	
			0.10μF	±10%	GCM21BR71H104KA37#	
			0.15μF	±10%	GCM21BR71H154KA37#	
			0.22μF	±10%	GCM21BR71H224KA37#	
			0.47μF	±10%	GCM21BR71H474KA55#	
			1.0μF	±10%	GCM21BR71H105KA03#	
	35Vdc	X7R	0.68μF	±10%	GCM21BR7YA684KA55#	
			1.0μF	±10%	GCM21BR7YA105KA55#	
			1.5μF	±10%	GCM21BR7YA155KA54#	
		X7S	2.2μF	±10%	GCM21BC7YA225KE02#	
	25Vdc	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	X7S	4.7μF	±10%	GCM21BC7YA475KE36#
		25Vdc	X7S	4.7μF	±10%	GCM21BC71E475KE36#

3.2×1.6mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number

GRT Series
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