

General Purpose Product

GCM Series



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

Features

1 Ideal for power trains and safety devices in automobiles.

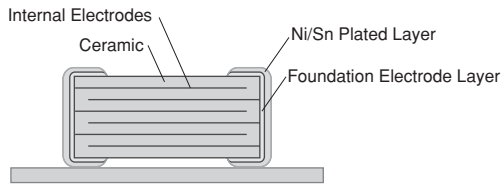
This product can be used for safety devices, such as the drive system control for engine ECU, air bags, and ABS. This product has cleared test conditions more severe than that of general products (GRM Series) even in temperature cycle and humidity load tests.

	General Purpose GRM Series Maximum operating temperature: 85°C/105°C/125°C	GCM Series for Automobiles Maximum operating temperature: 125°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.

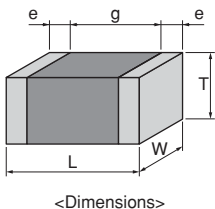
3 Sn plating is applied to the external electrodes; excellent solder ability.



<Example of Structure>

Specifications

Size	0.6×0.3mm to 5.7×5.0mm
Rated Voltage	6.3Vdc to 1kVdc
Capacitance	0.1pF to 47μF
Main Applications	Drive system control of engine ECU, Airbag, Safety equipment such as ABS



GCM Series Temperature Compensating Type AEC Q200 Part Number List

■ 0.6×0.3mm Ultra-compact

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.33mm	25Vdc	COG	1.0pF	±0.25pF	GCM0335C1E1R0CD03#
			2.0pF	±0.25pF	GCM0335C1E2R0CD03#
			3.0pF	±0.25pF	GCM0335C1E3R0CD03#
			4.0pF	±0.25pF	GCM0335C1E4R0CD03#
			5.0pF	±0.25pF	GCM0335C1E5R0CD03#
			6.0pF	±0.5pF	GCM0335C1E6R0DD03#
			7.0pF	±0.5pF	GCM0335C1E7R0DD03#
			8.0pF	±0.5pF	GCM0335C1E8R0DD03#
			9.0pF	±0.5pF	GCM0335C1E9R0DD03#
			10pF	±5%	GCM0335C1E100JD03#
			12pF	±5%	GCM0335C1E120JD03#
			15pF	±5%	GCM0335C1E150JD03#
			18pF	±5%	GCM0335C1E180JD03#
			22pF	±5%	GCM0335C1E220JD03#
			27pF	±5%	GCM0335C1E270JD03#
			33pF	±5%	GCM0335C1E330JD03#
			39pF	±5%	GCM0335C1E390JD03#
			47pF	±5%	GCM0335C1E470JD03#
			56pF	±5%	GCM0335C1E560JD03#
			68pF	±5%	GCM0335C1E680JD03#
82pF	±5%	GCM0335C1E820JD03#			
100pF	±5%	GCM0335C1E101JD03#			

■ 1.0×0.5mm

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#			

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.55mm	50Vdc	COG	220pF	±5%	GCM1555C1H221JA16#
			270pF	±5%	GCM1555C1H271JA16#
			330pF	±5%	GCM1555C1H331JA16#
			390pF	±5%	GCM1555C1H391JA16#
			470pF	±5%	GCM1555C1H471JA16#

■ 1.6×0.8mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	100Vdc	COG	1.0pF	±0.25pF	GCM1885C2A1R0CA16#
			2.0pF	±0.25pF	GCM1885C2A2R0CA16#
			3.0pF	±0.25pF	GCM1885C2A3R0CA16#
			4.0pF	±0.25pF	GCM1885C2A4R0CA16#
			5.0pF	±0.25pF	GCM1885C2A5R0CA16#
			6.0pF	±0.5pF	GCM1885C2A6R0DA16#
			7.0pF	±0.5pF	GCM1885C2A7R0DA16#
			8.0pF	±0.5pF	GCM1885C2A8R0DA16#
			9.0pF	±0.5pF	GCM1885C2A9R0DA16#
			10pF	±5%	GCM1885C2A100JA16#
			12pF	±5%	GCM1885C2A120JA16#
			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#			
	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#

Part number # indicates the package specification code.

GCM Series Temperature Compensating Type AEC Q200 Part Number List

(→ ■ 1.6x0.8mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.9mm	50Vdc	C0G	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%	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#
			1800pF	±5%	GCM1885C1H182JA16#
			2200pF	±5%	GCM1885C1H222JA16#
			2700pF	±5%	GCM1885C1H272JA16#
			3300pF	±5%	GCM1885C1H332JA16#
			3900pF	±5%	GCM1885C1H392JA16#

■ 2.0x1.25mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
0.7mm	100Vdc	C0G	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#

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number			
0.7mm	100Vdc	C0G	2200pF	±5%	GCM2165C2A222JA16#			
			2700pF	±5%	GCM2165C2A272JA16#			
			3300pF	±5%	GCM2165C2A332JA16#			
			50Vdc	C0G	1000pF	±5%	GCM2165C1H102JA16#	
					1200pF	±5%	GCM2165C1H122JA16#	
					1500pF	±5%	GCM2165C1H152JA16#	
					1800pF	±5%	GCM2165C1H182JA16#	
					2200pF	±5%	GCM2165C1H222JA16#	
					2700pF	±5%	GCM2165C1H272JA16#	
	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#		
0.95mm	50Vdc	C0G	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#						
1.4mm	50Vdc	C0G	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#			

Part number # indicates the package specification code.

GCM Series Temperature Compensating Type AEC Q200 Part Number List

■ 3.2x1.6mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number		
0.95mm	100Vdc	C0G	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	C0G	33000pF	±5%	GCM3195C1K333JA16#
	63Vdc	C0G	33000pF	±5%	GCM3195C1J333JA16#		
	50Vdc	C0G	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#		
			27000pF	±5%	GCM3195C1H273JA16#		
	33000pF	±5%	GCM3195C1H333JA16#				
	39000pF	±5%	GCM3195C1H393JA16#				
	1.0mm	1000Vdc	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				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#				

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number			
1.0mm	630Vdc	U2J	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#			
			1800pF	±5%	GCM31A7U2J182JX01#			
			2200pF	±5%	GCM31A7U2J222JX01#			
			250Vdc	U2J	2700pF	±5%	GCM31A7U2E272JX01#	
	3300pF	±5%			GCM31A7U2E332JX01#			
	3900pF	±5%			GCM31A7U2E392JX01#			
	4700pF	±5%			GCM31A7U2E472JX01#			
	5600pF	±5%			GCM31A7U2E562JX01#			
	1.25mm	1000Vdc			U2J	390pF	±5%	GCM31B7U3A391JX01#
						470pF	±5%	GCM31B7U3A471JX01#
						560pF	±5%	GCM31B7U3A561JX01#
						680pF	±5%	GCM31B7U3A681JX01#
		630Vdc			U2J	2700pF	±5%	GCM31B7U2J272JX01#
						3300pF	±5%	GCM31B7U2J332JX01#
			250Vdc	U2J		6800pF	±5%	GCM31B7U2E682JX01#
8200pF						±5%	GCM31B7U2E822JX01#	
10000pF	±5%	GCM31B7U2E103JX01#						
50Vdc	C0G	47000pF	±5%	GCM31M5C1H473JA16#				
		56000pF	±5%	GCM31M5C1H563JA16#				
1.8mm	1000Vdc	U2J	820pF	±5%	GCM31C7U3A821JX03#			
			1000pF	±5%	GCM31C7U3A102JX03#			
	630Vdc	U2J	3900pF	±5%	GCM31C7U2J392JX03#			
			4700pF	±5%	GCM31C7U2J472JX03#			

■ 3.2x2.5mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
1.0mm	630Vdc	U2J	1200pF	±5%	GCM32A7U2J122JX01#
			1500pF	±5%	GCM32A7U2J152JX01#
			1800pF	±5%	GCM32A7U2J182JX01#
			2200pF	±5%	GCM32A7U2J222JX01#
			1.25mm	1000Vdc	U2J
630Vdc	U2J	5600pF		±5%	GCM32B7U2J562JX01#
1.5mm	1000Vdc	U2J	1500pF	±5%	GCM32Q7U3A152JX01#
	630Vdc	U2J	6800pF	±5%	GCM32Q7U2J682JX01#

Part number # indicates the package specification code.

GCM Series Temperature Compensating Type AEC Q200 Part Number List

(→ ■ 3.2×2.5mm)

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

GCM Series

GCD Series

GCE Series

GCG Series

GCJ Series

GC3 Series

KCM Series

KC3 Series

⚠Caution/Notice

GCM Series High Dielectric Constant Type AEC Q200 Part Number List

■ 0.6×0.3mm Ultra-compact

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#
	16Vdc	X7R	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	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#		
			68000pF	±10%	GCM155R71E683KA55#		
	16Vdc	X7R	33000pF	±10%	GCM155R71C333KA37#		
47000pF			±10%	GCM155R71C473KA37#			
68000pF			±10%	GCM155R71C683KA55#			
0.10μF			±10%	GCM155R71C104KE02#			

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#

■ 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#		
	25Vdc	X7R	0.10μF	±10%	GCM188R71H104KA57#		
			0.15μF	±10%	GCM188R71H154KA64#		
			0.22μF	±10%	GCM188R71H224KA64#		
			33000pF	±10%	GCM188R71E333KA37#		
			47000pF	±10%	GCM188R71E473KA37#		
			68000pF	±10%	GCM188R71E683KA57#		
0.10μF			±10%	GCM188R71E104KA57#			
0.15μF			±10%	GCM188R71E154KA37#			
0.22μF			±10%	GCM188R71E224KA55#			
0.47μF			±10%	GCM188R71E474KA64#			
16Vdc	X7R	1.0μF	±10%	GCM188R71E105KA64#			
		0.10μF	±10%	GCM188R71C104KA37#			
		0.33μF	±10%	GCM188R71C334KA37#			
		0.47μF	±10%	GCM188R71C474KA55#			
6.3Vdc	X7R	1.0μF	±10%	GCM188R71C105KA64#			
		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#

Part number # indicates the package specification code.

GCM Series High Dielectric Constant Type AEC-Q200 Part Number List

(→ ■ 2.0x1.25mm)

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number		
0.95mm	100Vdc	X7R	33000pF	±10%	GCM219R72A333KA37#		
	50Vdc	X7R	33000pF	±10%	GCM219R71H333KA37#		
			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#	
	35Vdc	X7R	0.15μF	±10%	GCM21BR71H154KA37#		
			0.22μF	±10%	GCM21BR71H224KA37#		
			0.47μF	±10%	GCM21BR71H474KA55#		
			1.0μF	±10%	GCM21BR71H105KA03#		
			25Vdc	X7R	0.68μF	±10%	GCM21BR7YA684KA55#
					1.0μF	±10%	GCM21BR7YA105KA55#
					1.5μF	±10%	GCM21BR7YA155KA54#
			25Vdc	X7R	0.15μF	±10%	GCM21BR71E154KA37#
					0.22μF	±10%	GCM21BR71E224KA37#
	0.33μF	±10%			GCM21BR71E334KA37#		
	0.68μF	±10%			GCM21BR71E684KA55#		
	1.0μF	±10%			GCM21BR71E105KA56#		
	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#		

■ 3.2x2.5mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number
2.2mm	25Vdc	X7R	4.7μF	±10%	GCM32DR71E475KA55#
	16Vdc	X7R	10μF	±10%	GCM32DR71C106KA37#
2.7mm	50Vdc	X7R	1.0μF	±10%	GCM32ER71H105KA37#
			4.7μF	±10%	GCM32ER71H475KA55#
	35Vdc	X7S	10μF	±10%	GCM32EC71H106KA03#
			10μF	±10%	GCM32EC7YA106KA03#
	25Vdc	X7R	10μF	±10%	GCM32ER71E106KA57#
	16Vdc	X7R	22μF	±20%	GCM32ER71C226ME19#
10Vdc	X7R	22μF	±20%	GCM32ER71A226ME12#	
6.3Vdc	X7R	47μF	±20%	GCM32ER70J476ME19#	

■ 3.2x1.6mm

T max.	Rated Voltage	TC Code	Cap.	Tol.	Part Number		
0.95mm	100Vdc	X7R	0.10μF	±10%	GCM319R72A104KA37#		
1.25mm	100Vdc	X7R	0.15μF	±10%	GCM31MR72A154KA37#		
			0.22μF	±10%	GCM31MR72A224KA37#		
	50Vdc	X7R	0.33μF	±10%	GCM31MR71H334KA37#		
			0.47μF	±10%	GCM31MR71H474KA37#		
			0.68μF	±10%	GCM31MR71H684KA55#		
1.0μF	±10%	GCM31MR71H105KA55#					
1.3mm	25Vdc	X7R	2.2μF	±10%	GCM31MR71E225KA57#		
1.8mm	100Vdc	X7R	1.0μF	±10%	GCM31CR72A105KA03#		
			50Vdc	X7R	2.2μF	±10%	GCM31CR71H225KA55#
					X7S	4.7μF	±10%
	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#		

Part number # indicates the package specification code.