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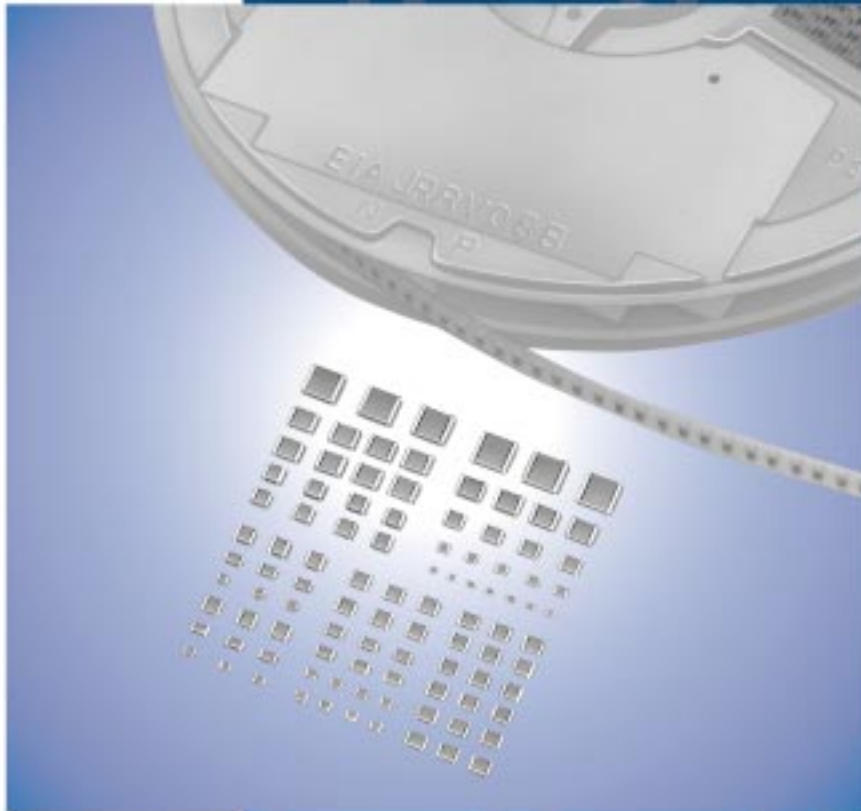
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Chip Monolithic Ceramic Capacitors



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for EU RoHS Compliant

- All the products in this catalog comply with EU RoHS.
- EU RoHS is "the European Directive 2002/95/EC on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment".
- For more details, please refer to our website 'Murata's Approach for EU RoHS' (<http://www.murata.com/info/rohs.html>).

Chip Monolithic Ceramic Capacitors (Medium Voltage)

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Please check the MURATA home page (<http://www.murata.com/>) if you cannot find the part number in the catalog.

● Part Numbering

Chip Monolithic Ceramic Capacitors

(Part Number)

GR	M	18	8	B1	1H	102	K	A01	D
①	②	③	④	⑤	⑥	⑦	⑧	⑨	⑩

① Product ID

② Series

Product ID	Code	Series
GR	J	Soft Termination Type
	M	Tin Plated Layer
	4	Only for Information Devices / Tip & Ring
	7	Only for Camera Flash Circuit
GQ	M	High Frequency for Flow/Reflow Soldering
GM	A	Monolithic Microchip
	D	For Bonding
GN	M	Capacitor Array
LL	L	Low ESL Type
	R	Controlled ESR Low ESL Type
	A	8-termination Low ESL Type
	M	10-termination Low ESL Type
GJ	M	High Frequency Low Loss Type
GA	2	For AC250V (r.m.s.)
	3	Safety Standard Certified Type

③ Dimensions (L×W)


Code	Dimensions (L×W)	EIA
02	0.4×0.2mm	01005
03	0.6×0.3mm	0201
05	0.5×0.5mm	0202
08	0.8×0.8mm	0303
0D	0.38×0.38mm	015015
0M	0.9×0.6mm	0302
15	1.0×0.5mm	0402
18	1.6×0.8mm	0603
1M	1.37×1.0mm	0504
21	2.0×1.25mm	0805
22	2.8×2.8mm	1111
31	3.2×1.6mm	1206
32	3.2×2.5mm	1210
42	4.5×2.0mm	1808
43	4.5×3.2mm	1812
52	5.7×2.8mm	2211
55	5.7×5.0mm	2220

④ Dimension (T) (Except GNM)

Code	Dimension (T)
2	0.2mm
3	0.3mm
5	0.5mm
6	0.6mm
7	0.7mm
8	0.8mm
9	0.85mm
A	1.0mm
B	1.25mm
C	1.6mm
D	2.0mm
E	2.5mm
F	3.2mm
M	1.15mm
N	1.35mm
Q	1.5mm
R	1.8mm
S	2.8mm
X	Depends on individual standards.

④ Elements (GNM Only)

Code	Elements
2	2-elements
4	4-elements

Continued on the following page. 

Continued from the preceding page.

⑤ Temperature Characteristics

Temperature Characteristic Codes			Temperature Characteristics			Operating Temperature Range
Code	Public STD Code	Reference Temperature	Temperature Range	Capacitance Change or Temperature Coefficient		
1X	SL *1	JIS	20°C	20 to 85°C	+350 to -1000ppm/°C	-55 to 125°C
2C	CH *1	JIS	20°C	20 to 125°C	0±60ppm/°C	-55 to 125°C
2P	PH *1	JIS	20°C	20 to 85°C	-150±60ppm/°C	-25 to 85°C
2R	RH *1	JIS	20°C	20 to 85°C	-220±60ppm/°C	-25 to 85°C
2S	SH *1	JIS	20°C	20 to 85°C	-330±60ppm/°C	-25 to 85°C
2T	TH *1	JIS	20°C	20 to 85°C	-470±60ppm/°C	-25 to 85°C
3C	CJ *1	JIS	20°C	20 to 125°C	0±120ppm/°C	-55 to 125°C
3P	PJ *1	JIS	20°C	20 to 85°C	-150±120ppm/°C	-25 to 85°C
3R	RJ *1	JIS	20°C	20 to 85°C	-220±120ppm/°C	-25 to 85°C
3S	SJ *1	JIS	20°C	20 to 85°C	-330±120ppm/°C	-25 to 85°C
3T	TJ *1	JIS	20°C	20 to 85°C	-470±120ppm/°C	-25 to 85°C
3U	UJ *1	JIS	20°C	20 to 85°C	-750±120ppm/°C	-25 to 85°C
4C	CK *1	JIS	20°C	20 to 125°C	0±250ppm/°C	-55 to 125°C
5C	C0G *1	EIA	25°C	25 to 125°C	0±30ppm/°C	-55 to 125°C
5G	X8G *1	EIA	25°C	25 to 150°C	0±30ppm/°C	-55 to 150°C
6C	C0H *1	EIA	25°C	25 to 125°C	0±60ppm/°C	-55 to 125°C
6P	P2H *1	EIA	25°C	25 to 85°C	-150±60ppm/°C	-55 to 125°C
6R	R2H *1	EIA	25°C	25 to 85°C	-220±60ppm/°C	-55 to 125°C
6S	S2H *1	EIA	25°C	25 to 85°C	-330±60ppm/°C	-55 to 125°C
6T	T2H *1	EIA	25°C	25 to 85°C	-470±60ppm/°C	-55 to 125°C
7U	U2J *1	EIA	25°C	25 to 125°C *6	-750±120ppm/°C	-55 to 125°C
B1	B *2	JIS	20°C	-25 to 85°C	±10%	-25 to 85°C
B3	B	JIS	20°C	-25 to 85°C	±10%	-25 to 85°C
C7	X7S	EIA	25°C	-55 to 125°C	±22%	-55 to 125°C
C8	X6S	EIA	25°C	-55 to 105°C	±22%	-55 to 105°C
D7	X7T	EIA	25°C	-55 to 125°C	+22, -33%	-55 to 125°C
D8	X6T	EIA	25°C	-55 to 105°C	+22, -33%	-55 to 105°C
E7	X7U	EIA	25°C	-55 to 125°C	+22, -56%	-55 to 125°C
F1	F *2	JIS	20°C	-25 to 85°C	+30, -80%	-25 to 85°C
F5	Y5V	EIA	25°C	-30 to 85°C	+22, -82%	-30 to 85°C
L8	X8L	*3	25°C	-55 to 150°C	+15, -40%	-55 to 150°C
R1	R *2	JIS	20°C	-55 to 125°C	±15%	-55 to 125°C
R3	R	JIS	20°C	-55 to 125°C	±15%	-55 to 125°C
R6	X5R	EIA	25°C	-55 to 85°C	±15%	-55 to 85°C
R7	X7R	EIA	25°C	-55 to 125°C	±15%	-55 to 125°C
R9	X8R	EIA	25°C	-55 to 150°C	±15%	-55 to 150°C
W0	-	-	25°C	-55 to 125°C	±10% *4	-55 to 125°C
					+22, -33% *5	

*1 Please refer to table for Capacitance Change under reference temperature.


*2 Capacitance change is specified with 50% rated voltage applied.

*3 Murata Temperature Characteristic Code.

*4 Apply DC350V bias.

*5 No DC bias.

*6 Rated Voltage 100Vdc max : 25 to 85°C

Continued on the following page. 

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●Capacitance Change from each temperature

JIS Code

Murata Code	Capacitance Change from 20°C (%)					
	-55°C		-25°C		-10°C	
	Max.	Min.	Max.	Min.	Max.	Min.
1X	-	-	-	-	-	-
2C	0.82	-0.45	0.49	-0.27	0.33	-0.18
2P	-	-	1.32	0.41	0.88	0.27
2R	-	-	1.70	0.72	1.13	0.48
2S	-	-	2.30	1.22	1.54	0.81
2T	-	-	3.07	1.85	2.05	1.23
3C	1.37	-0.90	0.82	-0.54	0.55	-0.36
3P	-	-	1.65	0.14	1.10	0.09
3R	-	-	2.03	0.45	1.35	0.30
3S	-	-	2.63	0.95	1.76	0.63
3T	-	-	3.40	1.58	2.27	1.05
3U	-	-	4.94	2.84	3.29	1.89
4C	2.56	-1.88	1.54	-1.13	1.02	-0.75

EIA Code

Murata Code	Capacitance Change from 25°C (%)					
	-55°C		-30°C		-10°C	
	Max.	Min.	Max.	Min.	Max.	Min.
5C/5G	0.58	-0.24	0.40	-0.17	0.25	-0.11
6C	0.87	-0.48	0.59	-0.33	0.38	-0.21
6P	2.33	0.72	1.61	0.50	1.02	0.32
6R	3.02	1.28	2.08	0.88	1.32	0.56
6S	4.09	2.16	2.81	1.49	1.79	0.95
6T	5.46	3.28	3.75	2.26	2.39	1.44
7U	8.78	5.04	6.04	3.47	3.84	2.21

⑥ Rated Voltage

Code	Rated Voltage
0E	DC2.5V
0G	DC4V
0J	DC6.3V
1A	DC10V
1C	DC16V
1E	DC25V
YA	DC35V
1H	DC50V
2A	DC100V
2D	DC200V
2E	DC250V
YD	DC300V
2H	DC500V
2J	DC630V
3A	DC1kV
3D	DC2kV
3F	DC3.15kV
BB	DC350V (for Camera Flash Circuit)
E2	AC250V
GC	X1/Y2; AC250V (Safety Standard Certified Type GC)
GF	Y2, X1/Y2; AC250V (Safety Standard Certified Type GF)
GD	Y3; AC250V (Safety Standard Certified Type GD)
GB	X2; AC250V (Safety Standard Certified Type GB)

⑦ Capacitance

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

Ex.)

Code	Capacitance
R50	0.5pF
1R0	1.0pF
100	10pF
103	10000pF

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⑧ Capacitance Tolerance

Code	Capacitance Tolerance	TC	Series	Capacitance Step	
W	±0.05pF	CΔ	GRM/GJM	≤9.9pF	0.1pF
			GRM/GJM	≤9.9pF	0.1pF
B	±0.1pF	CΔ	GQM	≤1pF	0.1pF
				1.1 to 9.9pF	1pF Step and E24 Series
C	±0.25pF	CΔ	GRM/GJM	≤9.9pF	0.1pF
		except CΔ	GRM	≤5pF	* 1pF
		CΔ	GQM	≤1pF	0.1pF
D	±0.5pF	CΔ	GRM/GJM	5.1 to 9.9pF	0.1pF
		except CΔ	GRM	5.1 to 9.9pF	* 1pF
		CΔ	GQM	5.1 to 9.9pF	1pF Step and E24 Series
G	±2%	CΔ	GJM	≥10pF	E12 Series
		CΔ	GQM	≥10pF	E24 Series
J	±5%	CΔ, SL, U2J	GRM/GA3	≥10pF	E12 Series
		CΔ	GQM/GJM	≥10pF	E24 Series
K	±10%	B, R, X7R, X5R, ZLM	GRJ/GRM/GR7/GA3	E6 Series	
		C0G	GNM	E6 Series	
		B, R, X7R, X5R, ZLM	GR4, GMD	E12 Series	
M	±20%	B, R, X7R, X7S	GRM/GMA	E6 Series	
		X5R, X7R, X7S	GNM	E3 Series	
		X7R	GA2	E3 Series	
		X5R, X7R, X7S, X6S	LLL/LLR/LLA/LLM	E3 Series	
Z	+80%, -20%	F, Y5V	GRM	E3 Series	
R	Depends on individual standards.				

* E24 series is also available.

⑨ Individual Specification Code (Except LLR)

Expressed by three figures.

⑨ ESR (LLR Only)

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

⑩ Packaging

Code	Packaging
L	ø180mm Embossed Taping
D	ø180mm Paper Taping
E	ø180mm Paper Taping (LLL15)
K	ø330mm Embossed Taping
J	ø330mm Paper Taping
F	ø330mm Paper Taping (LLL15)
B	Bulk
C	Bulk Case
T	Bulk Tray

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Selection Guide For Chip Monolithic Ceramic Capacitors

	Function	Type	Series
Applications?	Decoupling, Smoothing	High Capacitance	GRM (X5R, X7R, Y5V etc.) 68pF–100μF
		Array (2 or 4 Elements)	GNM 10pF–2.2μF
	Frequency Control/Tuning, Impedance Matching	Class 1 TC's	GRM (C0G) 0.1pF–0.1μF
			GRM (U2J etc.)
	High Speed Decoupling	Low Inductance (Reverse Geometry)	LLL 2200pF–10μF
		Low Inductance (Controlled ESR)	LLR 1.0μF
		Low Inductance (Multi-Termination)	LLA/LLM (From 1GHz) 0.01μF–4.7μF
	High Frequency	Low ESR, Ultra Small	GJM (500MHz to 10GHz) 0.1pF–33pF
		Lowest ESR	GQM (500MHz to 10GHz) 0.1pF–100pF
	Optical Communications	Wire-Die-Bonding	GMA 100pF–0.47μF GMD 100pF–1μF
	Medium Voltage High Frequency Snubber	250V/630V/1kV/2kV/3.15kV Low Dissipation	GRM (C0G, U2J) 10pF–10000pF
	Medium Voltage LCD Backlight Inverter	3.15kV Low Dissipation	GRM (C0G) 5pF–47pF
	Medium Voltage Decoupling, Smoothing	250V/630V/1kV High Capacitance	GRM (X7R) 220pF–1μF
		250V/630V/1kV Soft Termination Type	GRJ (X7R) 470pF–1μF
	Medium Voltage Only for Camera Flash Circuit	350V High Capacitance	GR7 10000pF–47000pF
	Medium Voltage Only for Information Devices	2kV High Capacitance	GR4 100pF–10000pF
		Safety Standard Certified	Type GD 10pF–4700pF Type GF 10pF–4700pF
	AC Lines Noise Removal	Safety Standard Certified	Type GC 100pF–330pF Type GF 470pF–4700pF Type GB 10000pF–56000pF
AC250V which meets Japanese Law		GA2 470pF–0.1μF	
Automotive (Powertrain, Safety Equipment)	High Capacitance	GCM (X7R etc.) 100pF–47μF	
	Class 1 TC's	GCM (C0G etc.) 1.0pF–56000pF	
Medium Voltage for Automotive (Powertrain, Safety Equipment)	250V/630V Low Dissipation	GCM (U2J) 10pF–10000pF	
	250V/630V Soft Termination Type	GCJ (X7R) 1000pF–0.47μF	

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For General
GRM Series

Array
GNM Series

Low ESL
LLL Series

High-Q
GJM Series

High Frequency
GQM Series

Monolithic Microchip
GMA Series

For Bonding
GMD Series

Product Information

Chip Monolithic Ceramic Capacitors



For General Purpose GRM Series

For General
GRM Series

Array
GMM Series

Low ESL
LL□ Series

High-Q
GJM Series

High Frequency
GQM Series

Monolithic Microchip
GMA Series

For Bonding
GMD Series

Product Information

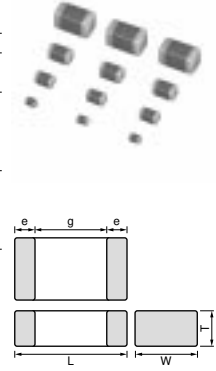
■ Features

1. Higher resistance of solder-leaching due to the Ni-barriered termination, applicable for reflow-soldering, and flow-soldering (GRM18/21/31 type only).
2. The GRM series is a lead free product.
3. Smaller size and higher capacitance value.
4. High reliability and no polarity.
5. Excellent pulse response and noise reduction due to the low impedance at high frequency.
6. The GRM series is available in paper or embossed tape and reel packaging for automatic placement. Bulk case packaging is also available for GRM15/18/21(T=0.6,1.25).
7. TA replacement.

■ Applications

General electronic equipment

Part Number	Dimensions (mm)				
	L	W	T	e	g min.
GRM022	0.4 ±0.02	0.2 ±0.02	0.2 ±0.02	0.07 to 0.14	0.13
GRM033	0.6 ±0.03	0.3 ±0.03	0.3 ±0.03	0.1 to 0.2	0.2
GRM15X	1.0 ±0.05	0.5 ±0.05	0.25 ±0.05	0.1 to 0.3	0.4
GRM153			0.3 ±0.03		
GRM155	1.6 ±0.1	0.8 ±0.1	0.5 ±0.05	0.2 to 0.5	0.5
GRM185			0.8 ±0.1		
GRM188*	2.0 ±0.1	1.25 ±0.1	0.6 ±0.1	0.2 to 0.7	0.7
GRM216			0.85 ±0.1		
GRM219	3.2 ±0.15	1.6 ±0.15	1.0 ±0/-0.2	0.3 to 0.8	1.5
GRM21A			1.25 ±0.1		
GRM21B	3.2 ±0.2	1.6 ±0.2	1.25 ±0.1	0.3 min.	1.0
GRM316			0.6 ±0.1		
GRM319	3.2 ±0.3	2.5 ±0.2	0.85 ±0.1	0.3 min.	1.0
GRM31M			1.15 ±0.1		
GRM31C	3.2 ±0.2	1.6 ±0.2	1.6 ±0.2	0.3 min.	1.0
GRM329			0.85 ±0.15/-0.05		
GRM32A	3.2 ±0.3	2.5 ±0.2	1.0 ±0/-0.2	0.3 min.	1.0
GRM32M			1.15 ±0.1		
GRM32N	3.2 ±0.3	2.5 ±0.2	1.35 ±0.15	0.3 min.	1.0
GRM32C			1.6 ±0.2		
GRM32R	3.2 ±0.3	2.5 ±0.2	1.8 ±0.2	0.3 min.	1.0
GRM32D			2.0 ±0.2		
GRM32E	3.2 ±0.3	2.5 ±0.2	2.5 ±0.2	0.3 min.	1.0
GRM32E			2.5 ±0.2		



* Bulk Case: 1.6 ±0.07(L) × 0.8 ±0.07(W) × 0.8 ±0.07(T)
The figures indicate typical specification.

Capacitance Table

Temperature Compensating Type C0G(5C),U2J(7U) Characteristics

6		ex.6: T Dimension [mm]																		
Capacitance	TC	LxW [mm]	C0G(5C)										U2J(7U)							
			0.4x0.2 (02) <01005>			0.6x0.3 (03) <0201>		1.0x0.5 (15) <0402>		1.6x0.8 (18) <0603>		2.0x1.25 (21) <0805>		3.2x1.6 (31) <1206>		0.6x0.3 (03) <0201>		1.0x0.5 (15) <0402>		1.6x0.8 (18) <0603>
Rated Voltage [Vdc]	16 (1C)	10 (1A)	6.3 (0J)	50 (1H)	50 (1H)	100 (1E)	50 (1H)	100 (1E)	50 (1H)	100 (1E)	50 (1H)	50 (1H)	25 (1E)	50 (1H)	10 (1A)	50 (1H)	10 (1A)	50 (1H)	10 (1A)	50 (1H)
0.1pF(R10)				3	3, 5															
0.2pF(R20)	2			3	3, 5															
0.3pF(R30)	2			3	3, 5															
0.4pF(R40)	2			3	3, 5															
0.5pF(R50)	2			3	3, 5															
0.6pF(R60)	2			3	3, 5															
0.7pF(R70)	2			3	3, 5															
0.8pF(R80)	2			3	3, 5															
0.9pF(R90)	2			3	3, 5															
1.0pF(1R0)	2			3	3, 5								3		5					
1.1pF(1R1)	2			3	3, 5															
1.2pF(1R2)	2			3	3, 5															
1.3pF(1R3)	2			3	3, 5															
1.4pF(1R4)	2			3	3, 5															
1.5pF(1R5)	2			3	3, 5															
1.6pF(1R6)	2			3	3, 5															
1.7pF(1R7)	2			3	3, 5															
1.8pF(1R8)	2			3	3, 5															
1.9pF(1R9)	2			3	3, 5															
2.0pF(2R0)	2			3	3, 5								3		5					
2.1pF(2R1)	2			3	3, 5															
2.2pF(2R2)	2			3	3, 5															
2.3pF(2R3)	2			3	3, 5															
2.4pF(2R4)	2			3	3, 5															
2.5pF(2R5)	2			3	3, 5															
2.6pF(2R6)	2			3	3, 5															
2.7pF(2R7)	2			3	3, 5															
2.8pF(2R8)	2			3	3, 5															
2.9pF(2R9)	2			3	3, 5															
3.0pF(3R0)	2			3	3, 5								3		5					
3.1pF(3R1)	2			3	3, 5															
3.2pF(3R2)	2			3	3, 5															
3.3pF(3R3)	2			3	3, 5															
3.4pF(3R4)	2			3	3, 5															
3.5pF(3R5)	2			3	3, 5															
3.6pF(3R6)	2			3	3, 5															
3.7pF(3R7)	2			3	3, 5															
3.8pF(3R8)	2			3	3, 5															
3.9pF(3R9)	2			3	3, 5															
4.0pF(4R0)	2			3	3, 5								3		5					
4.1pF(4R1)	2			3	3, 5															
4.2pF(4R2)	2			3	3, 5															
4.3pF(4R3)	2			3	3, 5															
4.4pF(4R4)	2			3	3, 5															
4.5pF(4R5)	2			3	3, 5															
4.6pF(4R6)	2			3	3, 5															
4.7pF(4R7)	2			3	3, 5															
4.8pF(4R8)	2			3	3, 5															
4.9pF(4R9)	2			3	3, 5															

The part number code is shown in () and Unit is shown in []. < >: EIA [inch] Code

Continued on the following page.

Capacitance Table

Continued from the preceding page.

6 ex.6: T Dimension [mm]

TC	C0G(5C)										U2J(7U)													
	LxW [mm]		0.4x0.2 (02) <01005>		0.6x0.3 (03) <0201>		1.0x0.5 (15) <0402>		1.6x0.8 (18) <0603>		2.0x1.25 (21) <0805>		3.2x1.6 (31) <1206>		0.6x0.3 (03) <0201>		1.0x0.5 (15) <0402>		1.6x0.8 (18) <0603>		2.0x1.25 (21) <0805>		3.2x1.6 (31) <1206>	
	Rated Voltage [Vdc]	16 (1C)	10 (1A)	6.3 (0J)	50 (1H)	50 (1H)	100 (1E)	50 (1H)	100 (1E)	50 (1H)	100 (1E)	50 (1H)	50 (1H)	25 (1E)	50 (1H)	10 (1A)	50 (1H)	10 (1A)	50 (1H)	10 (1A)	50 (1H)	10 (1A)	50 (1H)	
Capacitance																								
5.0pF(5R0)	2			3	3, 5									3		5								
5.1pF(5R1)	2			3	3, 5																			
5.2pF(5R2)	2			3	3, 5																			
5.3pF(5R3)	2			3	3, 5																			
5.4pF(5R4)	2			3	3, 5																			
5.5pF(5R5)	2			3	3, 5																			
5.6pF(5R6)	2			3	3, 5																			
5.7pF(5R7)	2			3	3, 5																			
5.8pF(5R8)	2			3	3, 5																			
5.9pF(5R9)	2			3	3, 5																			
6.0pF(6R0)	2			3	3, 5									3		5								
6.1pF(6R1)	2			3	3, 5																			
6.2pF(6R2)	2			3	3, 5																			
6.3pF(6R3)	2			3	3, 5																			
6.4pF(6R4)	2			3	3, 5																			
6.5pF(6R5)	2			3	3, 5																			
6.6pF(6R6)	2			3	3, 5																			
6.7pF(6R7)	2			3	3, 5																			
6.8pF(6R8)	2			3	3, 5																			
6.9pF(6R9)	2			3	3, 5																			
7.0pF(7R0)	2			3	3, 5									3		5								
7.1pF(7R1)	2			3	3, 5																			
7.2pF(7R2)	2			3	3, 5																			
7.3pF(7R3)	2			3	3, 5																			
7.4pF(7R4)	2			3	3, 5																			
7.5pF(7R5)	2			3	3, 5																			
7.6pF(7R6)	2			3	3, 5																			
7.7pF(7R7)	2			3	3, 5																			
7.8pF(7R8)	2			3	3, 5																			
7.9pF(7R9)	2			3	3, 5																			
8.0pF(8R0)	2			3	3, 5									3		5								
8.1pF(8R1)	2			3	3, 5																			
8.2pF(8R2)	2			3	3, 5																			
8.3pF(8R3)	2			3	3, 5																			
8.4pF(8R4)	2			3	3, 5																			
8.5pF(8R5)	2			3	3, 5																			
8.6pF(8R6)	2			3	3, 5																			
8.7pF(8R7)	2			3	3, 5																			
8.8pF(8R8)	2			3	3, 5																			
8.9pF(8R9)	2			3	3, 5																			
9.0pF(9R0)	2			3	3, 5									3		5								
9.1pF(9R1)	2			3	3, 5																			
9.2pF(9R2)	2			3	3, 5																			
9.3pF(9R3)	2			3	3, 5																			
9.4pF(9R4)	2			3	3, 5																			
9.5pF(9R5)	2			3	3, 5																			
9.6pF(9R6)	2			3	3, 5																			
9.7pF(9R7)	2			3	3, 5																			
9.8pF(9R8)	2			3	3, 5																			
9.9pF(9R9)	2			3	3, 5																			

The part number code is shown in () and Unit is shown in []. < >: EIA [inch] Code

Continued on the following page. ↗

Capacitance Table

Continued from the preceding page.

6 ex.6: T Dimension [mm]

TC	LxW [mm]	C0G(5C)										U2J(7U)												
		0.4x0.2 (02) <01005>			0.6x0.3 (03) <0201>		1.0x0.5 (15) <0402>		1.6x0.8 (18) <0603>		2.0x1.25 (21) <0805>		3.2x1.6 (31) <1206>		0.6x0.3 (03) <0201>		1.0x0.5 (15) <0402>		1.6x0.8 (18) <0603>		2.0x1.25 (21) <0805>		3.2x1.6 (31) <1206>	
		16 (1C)	10 (1A)	6.3 (0J)	50 (1H)	50 (1H)	100 (1E)	50 (1H)	100 (1E)	50 (1H)	100 (1E)	50 (1H)	50 (1H)	25 (1E)	50 (1H)	10 (1A)	50 (1H)	10 (1A)	50 (1H)	10 (1A)	50 (1H)	10 (1A)	50 (1H)	
Rated Voltage [Vdc]																								
Capacitance																								
10pF(100)	2			3	3,5	8	8							3		5								
12pF(120)	2			3	3,5	8	8							3		5								
15pF(150)	2			3	3,5	8	8							3		5								
18pF(180)	2			3	3,5	8	8								3	5								
22pF(220)	2			3	3,5	8	8								3	5								
27pF(270)	2			3	3,5	8	8								3	5								
33pF(330)	2			3	3,5	8	8								3	5								
39pF(390)	2			3	3,5	8	8								3	5								
47pF(470)	2			3	3,5	8	8								3	5								
56pF(560)		2	2	3	3,5	8	8								3	5								
68pF(680)		2	2	3	3,5	8	8								3	5								
82pF(820)		2	2	3	3,5	8	8								3	5								
100pF(101)		2	2	3	3,5	8	8	6							3	5								
120pF(121)					3,5	8	8	6								5								
150pF(151)					3,5	8	8	6								5								
180pF(181)					3,5	8	8	6								5								
220pF(221)					3,5	8	8	6																
270pF(271)					3,5	8	8	6																
330pF(331)					3,5	8	8	6																
390pF(391)					3,5	8	8	6																
470pF(471)					3,5	8	8	6																
560pF(561)					3,5	8	8	6																
680pF(681)					3,5	8	8	6																
820pF(821)					5	8	8	6																
1000pF(102)					5	8	8	6										8						
1200pF(122)						8	8	6	6								5	8						
1500pF(152)						8	8	6	6								5	8						
1800pF(182)							8	6	6	9							5	8						
2200pF(222)							8	6	6	9							5	5,8						
2700pF(272)							8	6	6	9							5	5,8						
3300pF(332)							8	6	6	9							5	5,8						
3900pF(392)							8			6	9						5	5,8						
4700pF(472)										6	9	9					5	5,8						
5600pF(562)										9	9	9						8	5					
6800pF(682)										9	9	9						8	5					
8200pF(822)										9	9	9						8	5					
10000pF(103)										9	9	9						8	5	6				
12000pF(123)										9	9	9							8	6				
15000pF(153)										9	9	9							8	6				
18000pF(183)										B	9	9							8	6				
22000pF(223)										B	9	9							8	9				
27000pF(273)											9									9				
33000pF(333)											9									A				
39000pF(393)											9									B				
47000pF(473)											M									B				
56000pF(563)											M											9	9	
68000pF(683)											C											B	M	
82000pF(823)											C											B	M	
0.1μF(104)											C											B	M	

The part number code is shown in () and Unit is shown in []. < >: EIA [inch] Code

For General GRM Series

Array GNM Series

Low ESL LL□ Series

High-Q GJM Series

High Frequency GQM Series

Monolithic Microchip GMA Series

For Bonding GMD Series

Product Information

Capacitance Table

Temperature Compensating Type P2H(6P),R2H(6R),S2H(6S),T2H(6T) Characteristics

6		ex.6: T Dimension [mm]							
TC	LxW [mm]	P2H (6P)	R2H (6R)	S2H (6S)	T2H (6T)				
		1.0x0.5 (15) <0402>	0.6x0.3 (03) <0201>	1.0x0.5 (15) <0402>	0.6x0.3 (03) <0201>	1.0x0.5 (15) <0402>	0.6x0.3 (03) <0201>	1.0x0.5 (15) <0402>	
Rated Voltage [Vdc]		50 (1H)	25 (1E)	50 (1H)	25 (1E)	50 (1H)	25 (1E)	50 (1H)	
Capacitance									
1.0pF(1R0)		5	3	5	3	5	3	5	
2.0pF(2R0)		5	3	5	3	5	3	5	
3.0pF(3R0)		5	3	5	3	5	3	5	
4.0pF(4R0)		5	3	5	3	5	3	5	
5.0pF(5R0)		5	3	5	3	5	3	5	
6.0pF(6R0)		5	3	5	3	5	3	5	
7.0pF(7R0)		5	3	5	3	5	3	5	
8.0pF(8R0)		5	3	5	3	5	3	5	
9.0pF(9R0)		5	3	5	3	5	3	5	
10pF(100)		5	3	5	3	5	3	5	
12pF(120)		5	3	5	3	5	3	5	
15pF(150)		5	3	5	3	5	3	5	
18pF(180)		5	3	5	3	5	3	5	
22pF(220)		5	3	5	3	5	3	5	
27pF(270)		5	3	5	3	5	3	5	
33pF(330)			3	5	3	5	3	5	
39pF(390)			3		3	5	3	5	
47pF(470)			3		3		3	5	
56pF(560)			3		3		3	5	
68pF(680)			3		3		3	5	
82pF(820)			3		3		3	5	
100pF(101)			3		3		3	5	

The part number code is shown in () and Unit is shown in []. < >: EIA [inch] Code

For General GRM Series

Array GNM Series

Low ESL LL□ Series

High-Q GJM Series

High Frequency GQM Series

Monolithic Microchip GMA Series

For Bonding GMD Series

Product Information


Capacitance Table

Continued from the preceding page.

High Dielectric Constant Type X7R(R7)/X7S(C7)/X7T(D7)/X7U(E7) Characteristics

5		ex.5: T Dimension [mm]																	
Capacitance	LxW [mm]	0.4x0.2 (02) <01005>		0.6x0.3 (03) <0201>			1.0x0.5 (15) <0402>					1.6x0.8 (18) <0603>							
		Rated Voltage [Vdc]	10 (1A)	25 (1E)	16 (1C)	10 (1A)	6.3 (0J)	100 (2A)	50 (1H)	25 (1E)	16 (1C)	10 (1A)	100 (2A)	50 (1H)	25 (1E)	16 (1C)	10 (1A)	6.3 (0J)	4 (0G)
68pF(680)		2																	
100pF(101)		2	3	3															
150pF(151)		2	3	3															
220pF(221)		2	3	3			5	X, 5				8	8						
330pF(331)		2	3	3			5	X, 5				8	8						
470pF(471)		2	3	3			5	X, 5				8	8						
680pF(681)			3	3			5	X, 5				8	8						
1000pF(102)			3	3			5	X, 5				8	8						
1500pF(152)			3	3			5	X, 5				8	8						
2200pF(222)				3	3		5	5	X			8	8	8					
3300pF(332)				3	3		5	5		X		8	8	8					
4700pF(472)					3	3	5	5	5	X		8	8	8					
6800pF(682)						3	3		5	5	X	8	8	8					
10000pF(103)							3	3		5	5	X	8	8	8				
15000pF(153)									5	5	5		8	8					
22000pF(223)									5	5	5		8	8					
33000pF(333)										5	5		8	8					
47000pF(473)										5	5		8	8					
68000pF(683)											5	5	8	8					
0.10μF(104)											5	5	8	8	8				
0.15μF(154)											5			8	8				
0.22μF(224)											5			8	8				
0.33μF(334)															8	8			
0.47μF(474)															8	8	8		
0.68μF(684)																8	8		
1.0μF(105)															8	8	5, 8		
2.2μF(225)																	8	8	8

The part number code is shown in () and Unit is shown in []. < >: EIA [inch] Code

Continued on the following page. 

For General GRM Series

Array GNM Series

Low ESL LL Series

High-Q GJM Series

High Frequency GQM Series

Monolithic Microchip GMA Series

For Bonding GMD Series

Product Information

Capacitance Table

Continued from the preceding page.

LxW [mm]	2.0x1.25 (21) <0805>							3.2x1.6 (31) <1206>							3.2x2.5 (32) <1210>								
	100 (2A)	50 (1H)	25 (1E)	16 (1C)	10 (1A)	6.3 (0J)	4 (0G)	100 (2A)	50 (1H)	25 (1E)	16 (1C)	10 (1A)	6.3 (0J)	4 (0G)	100 (2A)	50 (1H)	35 (YA)	25 (1E)	16 (1C)	10 (1A)	6.3 (0J)	4 (0G)	
Rated Voltage [Vdc]																							
Capacitance																							
6800pF(682)	9																						
10000pF(103)	B																						
15000pF(153)	B							9															
22000pF(223)	B							M															
33000pF(333)	B	9						M															
47000pF(473)	B	B						M															
68000pF(683)		B	9					M															
0.10μF(104)		B	B					9															
0.15μF(154)		B	B					M	M														
0.22μF(224)	A	B	B					M	M														
0.33μF(334)	A	9	B						9	9													
0.47μF(474)	B	B	9					M	M	9													
0.68μF(684)			9	9				M	M	9						C							
1.0μF(105)		B	9, B	B				C	M							C							
2.2μF(225)			B	B	B				C	M	M					E							
4.7μF(475)				B	B				C	C	9#, C					E							
10μF(106)					B	B				C	C	C					E	D					
22μF(226)							B					C	C					E	E	E			
47μF(476)														C						E	E		
100μF(107)																						E	

The part number code is shown in () and Unit is shown in []. < >: EIA [inch] Code

* These Part Numbers have individual testing conditions on Durability of GRM Series Specifications and Test Methods (2). Please refer to P60.

High Dielectric Constant Type X6S(C8)/X6T(D8) Characteristics

LxW [mm]	0.6x0.3 (03) <0201>			1.0x0.5 (15) <0402>		
	6.3 (0J)	4 (0G)	25 (1E)	6.3 (0J)	4 (0G)	25 (1E)
Rated Voltage [Vdc]						
Capacitance						
15000pF(153)	3	3				
22000pF(223)	3	3				
33000pF(333)	3	3				
47000pF(473)	3	3				
68000pF(683)			5			
0.10μF(104)			5			
0.15μF(154)				5	5	
0.22μF(224)				5	5	
0.33μF(334)				5	5	
0.47μF(474)				5	5	
0.68μF(684)				5#	5	

LxW [mm]	1.6x0.8 (18) <0603>					2.0x1.25 (21) <0805>					3.2x1.6 (31) <1206>					3.2x2.5 (32) <1210>					
	25 (1E)	10 (1A)	6.3 (0J)	4 (0G)	2.5 (0E)	25 (1E)	16 (1C)	10 (1A)	6.3 (0J)	4 (0G)	25 (1E)	16 (1C)	10 (1A)	6.3 (0J)	4 (0G)	25 (1E)	10 (1A)	6.3 (0J)	4 (0G)		
Rated Voltage [Vdc]																					
Capacitance																					
1.0μF(105)	8	5	5				6														
2.2μF(225)		8	8				9					6									
4.7μF(475)				8		B	B	9	9			9									
10μF(106)				8#	8			B	9, B		C	M	9	9			D				
22μF(226)								B#	B				C	C			E	N			
47μF(476)													C	C			E	E			
100μF(107)														C				E	E		

The part number code is shown in () and Unit is shown in []. < >: EIA [inch] Code

* These Part Numbers have individual testing conditions on Durability of GRM Series Specifications and Test Methods (2). Please refer to P60.

Capacitance Table

Continued from the preceding page.

High Dielectric Constant Type X5R(R6) Characteristics

Capacitance	LxW [mm]	0.4x0.2 (02) <01005>		0.6x0.3 (03) <0201>				1.0x0.5 (15) <0402>						1.6x0.8 (18) <0603>							
		Rated Voltage [Vdc]	10 (1A)	6.3 (0J)	25 (1E)	16 (1C)	10 (1A)	6.3 (0J)	100 (2A)	50 (1H)	25 (1E)	16 (1C)	10 (1A)	6.3 (0J)	100 (2A)	50 (1H)	25 (1E)	16 (1C)	10 (1A)	6.3 (0J)	4 (0G)
68pF(680)	2																				
100pF(101)	2																				
150pF(151)	2																				
220pF(221)	2																				
330pF(331)	2																				
470pF(471)	2																				
680pF(681)	2	2																			
1000pF(102)	2	2							5						8						
1500pF(152)	2	2				3															
2200pF(222)	2	2				3			5						8						
3300pF(332)	2	2				3															
4700pF(472)	2	2				3			5						8						
6800pF(682)	2	2				3															
10000pF(103)	2	2				3	3								8						
15000pF(153)							3														
22000pF(223)							3			5					8						
33000pF(333)							3			5	5										
47000pF(473)							3			5	5										
68000pF(683)									5	5	5										
0.10μF(104)									5	5	5				8						
0.15μF(154)										5	5					8					
0.22μF(224)										5	5				8	8					
0.33μF(334)										5	5										
0.47μF(474)										5	5				8	8					
0.68μF(684)										5	5										
1.0μF(105)											5				8	5, 8	5				
2.2μF(225)																8	8				
4.7μF(475)																				8	
10μF(106)																				8	8
22μF(226)																					8

The part number code is shown in () and Unit is shown in []. < >: EIA [inch] Code

Continued on the following page. ↗

For General GRM Series

Array GNM Series

Low ESL LL Series

High-Q GJM Series

High Frequency GQM Series

Monolithic Microchip GMA Series

For Bonding GMD Series

Product Information

Capacitance Table

Continued from the preceding page.

LxW [mm]	2.0x1.25 (21) <0805>								3.2x1.6 (31) <1206>								3.2x2.5 (32) <1210>								
	100 (2A)	50 (1H)	25 (1E)	16 (1C)	10 (1A)	6.3 (0J)	4 (0G)		100 (2A)	50 (1H)	25 (1E)	16 (1C)	10 (1A)	6.3 (0J)	4 (0G)		100 (2A)	50 (1H)	35 (YA)	25 (1E)	16 (1C)	10 (1A)	6.3 (0J)	4 (0G)	
Rated Voltage [Vdc]																									
Capacitance																									
6800pF(682)																									
10000pF(103)																									
15000pF(153)																									
22000pF(223)																									
33000pF(333)																									
47000pF(473)																									
68000pF(683)																									
0.10μF(104)																									
0.15μF(154)																									
0.22μF(224)																									
0.33μF(334)																									
0.47μF(474)																									
0.68μF(684)																									
1.0μF(105)				6	6, B																				
2.2μF(225)				9, B	9, B	B					C	6													
4.7μF(475)				B	9, B	9, B	B					9, C	9, C												
10μF(106)					B	9, B	9, B					C	9, C	9						E	D				
22μF(226)							B	9					C	C	C						E				
47μF(476)														C	C						E	E			
100μF(107)															C	C							E		

The part number code is shown in () and Unit is shown in []. < >: EIA [inch] Code

For General
GRM Series

Array
GNM Series

Low ESL
LL□ Series

High-Q
GJM Series

High Frequency
GQM Series

Monolithic Microchip
GMA Series

For Bonding
GMD Series

Product Information

Temperature Compensating Type C0G(5C) Characteristics

LxW [mm]		0.4x0.2(02)<01005>	0.6x0.3(03)<0201>	1.0x0.5(15)<0402>
Rated Volt. [Vdc]		16(1C)	50(1H)	50(1H)
Capacitance	Tolerance	Part Number		
0.1pF(R10)	±0.05pF(W)		GRM0335C1HR10WD01D	GRM1555C1HR10WA01D
	±0.1pF(B)		GRM0335C1HR10BD01D	GRM1555C1HR10BA01D
0.2pF(R20)	±0.05pF(W)	GRM0225C1CR20WD05L	GRM0335C1HR20WD01D	GRM1555C1HR20WA01D
	±0.1pF(B)	GRM0225C1CR20BD05L	GRM0335C1HR20BD01D	GRM1555C1HR20BA01D
0.3pF(R30)	±0.05pF(W)	GRM0225C1CR30WD05L	GRM0335C1HR30WD01D	GRM1555C1HR30WA01D
	±0.1pF(B)	GRM0225C1CR30BD05L	GRM0335C1HR30BD01D	GRM1555C1HR30BA01D
0.4pF(R40)	±0.05pF(W)	GRM0225C1CR40WD05L	GRM0335C1HR40WD01D	GRM1555C1HR40WA01D
	±0.1pF(B)	GRM0225C1CR40BD05L	GRM0335C1HR40BD01D	GRM1555C1HR40BA01D
0.5pF(R50)	±0.05pF(W)	GRM0225C1CR50WD05L	GRM0335C1HR50WD01D	GRM1555C1HR50WA01D
	±0.1pF(B)	GRM0225C1CR50BD05L	GRM0335C1HR50BD01D	GRM1555C1HR50BA01D
0.6pF(R60)	±0.05pF(W)	GRM0225C1CR60WD05L	GRM0335C1HR60WD01D	GRM1555C1HR60WA01D
	±0.1pF(B)	GRM0225C1CR60BD05L	GRM0335C1HR60BD01D	GRM1555C1HR60BA01D
0.7pF(R70)	±0.05pF(W)	GRM0225C1CR70WD05L	GRM0335C1HR70WD01D	GRM1555C1HR70WA01D
	±0.1pF(B)	GRM0225C1CR70BD05L	GRM0335C1HR70BD01D	GRM1555C1HR70BA01D
0.8pF(R80)	±0.05pF(W)	GRM0225C1CR80WD05L	GRM0335C1HR80WD01D	GRM1555C1HR80WA01D
	±0.1pF(B)	GRM0225C1CR80BD05L	GRM0335C1HR80BD01D	GRM1555C1HR80BA01D
0.9pF(R90)	±0.05pF(W)	GRM0225C1CR90WD05L	GRM0335C1HR90WD01D	GRM1555C1HR90WA01D
	±0.1pF(B)	GRM0225C1CR90BD05L	GRM0335C1HR90BD01D	GRM1555C1HR90BA01D
1.0pF(1R0)	±0.05pF(W)	GRM0225C1C1R0WD05L	GRM0335C1H1R0WD01D	GRM1555C1H1R0WA01D
	±0.1pF(B)	GRM0225C1C1R0BD05L	GRM0335C1H1R0BD01D	GRM1555C1H1R0BA01D
	±0.25pF(C)	GRM0225C1C1R0CD05L	GRM0335C1H1R0CD01D	GRM1555C1H1R0CA01D
1.1pF(1R1)	±0.05pF(W)	GRM0225C1C1R1WD05L	GRM0335C1H1R1WD01D	GRM1555C1H1R1WA01D
	±0.1pF(B)	GRM0225C1C1R1BD05L	GRM0335C1H1R1BD01D	GRM1555C1H1R1BA01D
	±0.25pF(C)	GRM0225C1C1R1CD05L	GRM0335C1H1R1CD01D	GRM1555C1H1R1CA01D
1.2pF(1R2)	±0.05pF(W)	GRM0225C1C1R2WD05L	GRM0335C1H1R2WD01D	GRM1555C1H1R2WA01D
	±0.1pF(B)	GRM0225C1C1R2BD05L	GRM0335C1H1R2BD01D	GRM1555C1H1R2BA01D
	±0.25pF(C)	GRM0225C1C1R2CD05L	GRM0335C1H1R2CD01D	GRM1555C1H1R2CA01D
1.3pF(1R3)	±0.05pF(W)	GRM0225C1C1R3WD05L	GRM0335C1H1R3WD01D	GRM1555C1H1R3WA01D
	±0.1pF(B)	GRM0225C1C1R3BD05L	GRM0335C1H1R3BD01D	GRM1555C1H1R3BA01D
	±0.25pF(C)	GRM0225C1C1R3CD05L	GRM0335C1H1R3CD01D	GRM1555C1H1R3CA01D
1.4pF(1R4)	±0.05pF(W)	GRM0225C1C1R4WD05L	GRM0335C1H1R4WD01D	GRM1555C1H1R4WA01D
	±0.1pF(B)	GRM0225C1C1R4BD05L	GRM0335C1H1R4BD01D	GRM1555C1H1R4BA01D
	±0.25pF(C)	GRM0225C1C1R4CD05L	GRM0335C1H1R4CD01D	GRM1555C1H1R4CA01D
1.5pF(1R5)	±0.05pF(W)	GRM0225C1C1R5WD05L	GRM0335C1H1R5WD01D	GRM1555C1H1R5WA01D
	±0.1pF(B)	GRM0225C1C1R5BD05L	GRM0335C1H1R5BD01D	GRM1555C1H1R5BA01D
	±0.25pF(C)	GRM0225C1C1R5CD05L	GRM0335C1H1R5CD01D	GRM1555C1H1R5CA01D
1.6pF(1R6)	±0.05pF(W)	GRM0225C1C1R6WD05L	GRM0335C1H1R6WD01D	GRM1555C1H1R6WA01D
	±0.1pF(B)	GRM0225C1C1R6BD05L	GRM0335C1H1R6BD01D	GRM1555C1H1R6BA01D
	±0.25pF(C)	GRM0225C1C1R6CD05L	GRM0335C1H1R6CD01D	GRM1555C1H1R6CA01D
1.7pF(1R7)	±0.05pF(W)	GRM0225C1C1R7WD05L	GRM0335C1H1R7WD01D	GRM1555C1H1R7WA01D
	±0.1pF(B)	GRM0225C1C1R7BD05L	GRM0335C1H1R7BD01D	GRM1555C1H1R7BA01D
	±0.25pF(C)	GRM0225C1C1R7CD05L	GRM0335C1H1R7CD01D	GRM1555C1H1R7CA01D
1.8pF(1R8)	±0.05pF(W)	GRM0225C1C1R8WD05L	GRM0335C1H1R8WD01D	GRM1555C1H1R8WA01D
	±0.1pF(B)	GRM0225C1C1R8BD05L	GRM0335C1H1R8BD01D	GRM1555C1H1R8BA01D
	±0.25pF(C)	GRM0225C1C1R8CD05L	GRM0335C1H1R8CD01D	GRM1555C1H1R8CA01D
1.9pF(1R9)	±0.05pF(W)	GRM0225C1C1R9WD05L	GRM0335C1H1R9WD01D	GRM1555C1H1R9WA01D
	±0.1pF(B)	GRM0225C1C1R9BD05L	GRM0335C1H1R9BD01D	GRM1555C1H1R9BA01D
	±0.25pF(C)	GRM0225C1C1R9CD05L	GRM0335C1H1R9CD01D	GRM1555C1H1R9CA01D

The part number code is shown in () and Unit is shown in []. < >: EIA [inch] Code

- | | | | | | | | | | | | | | | |
|---------------|-----------|----------|-----------|----------|-----------|-----------|------------|----------|------------|----------|------------------------------|--------------------------------|-------------------|----------------|
| (Part Number) | GR | M | 02 | 2 | 5C | 1C | R20 | W | D05 | L | ①Product ID | ②Series | ③Dimensions (LxW) | ④Dimension (T) |
| | ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ | ⑩ | ⑤Temperature Characteristics | ⑥Rated Voltage | ⑦Capacitance | |
| | | | | | | | | | | | ⑧Capacitance Tolerance | ⑨Individual Specification Code | ⑩Packaging* | |

Packaging Code in Part Number shows STD 180mm Reel Taping.

*GRM022: D is applicable.

For General GRM Series
Array GNM Series
Low ESL LL Series
High-Q GJM Series
High Frequency GQM Series
Monolithic Microchip GMA Series
For Bonding GMD Series
Product Information



Temperature Compensating Type C0G(5C) Characteristics

LxW [mm]		0.4x0.2(02)<01005>	0.6x0.3(03)<0201>	1.0x0.5(15)<0402>
Rated Volt. [Vdc]		16(1C)	50(1H)	50(1H)
Capacitance	Tolerance	Part Number		
2.0pF(2R0)	±0.05pF(W)	GRM0225C1C2R0WD05L	GRM0335C1H2R0WD01D	GRM1555C1H2R0WA01D
	±0.1pF(B)	GRM0225C1C2R0BD05L	GRM0335C1H2R0BD01D	GRM1555C1H2R0BA01D
	±0.25pF(C)	GRM0225C1C2R0CD05L	GRM0335C1H2R0CD01D	GRM1555C1H2R0CA01D
2.1pF(2R1)	±0.05pF(W)	GRM0225C1C2R1WD05L	GRM0335C1H2R1WD01D	GRM1555C1H2R1WA01D
	±0.1pF(B)	GRM0225C1C2R1BD05L	GRM0335C1H2R1BD01D	GRM1555C1H2R1BA01D
	±0.25pF(C)	GRM0225C1C2R1CD05L	GRM0335C1H2R1CD01D	GRM1555C1H2R1CA01D
2.2pF(2R2)	±0.05pF(W)	GRM0225C1C2R2WD05L	GRM0335C1H2R2WD01D	GRM1555C1H2R2WA01D
	±0.1pF(B)	GRM0225C1C2R2BD05L	GRM0335C1H2R2BD01D	GRM1555C1H2R2BA01D
	±0.25pF(C)	GRM0225C1C2R2CD05L	GRM0335C1H2R2CD01D	GRM1555C1H2R2CA01D
2.3pF(2R3)	±0.05pF(W)	GRM0225C1C2R3WD05L	GRM0335C1H2R3WD01D	GRM1555C1H2R3WA01D
	±0.1pF(B)	GRM0225C1C2R3BD05L	GRM0335C1H2R3BD01D	GRM1555C1H2R3BA01D
	±0.25pF(C)	GRM0225C1C2R3CD05L	GRM0335C1H2R3CD01D	GRM1555C1H2R3CA01D
2.4pF(2R4)	±0.05pF(W)	GRM0225C1C2R4WD05L	GRM0335C1H2R4WD01D	GRM1555C1H2R4WA01D
	±0.1pF(B)	GRM0225C1C2R4BD05L	GRM0335C1H2R4BD01D	GRM1555C1H2R4BA01D
	±0.25pF(C)	GRM0225C1C2R4CD05L	GRM0335C1H2R4CD01D	GRM1555C1H2R4CA01D
2.5pF(2R5)	±0.05pF(W)	GRM0225C1C2R5WD05L	GRM0335C1H2R5WD01D	GRM1555C1H2R5WA01D
	±0.1pF(B)	GRM0225C1C2R5BD05L	GRM0335C1H2R5BD01D	GRM1555C1H2R5BA01D
	±0.25pF(C)	GRM0225C1C2R5CD05L	GRM0335C1H2R5CD01D	GRM1555C1H2R5CA01D
2.6pF(2R6)	±0.05pF(W)	GRM0225C1C2R6WD05L	GRM0335C1H2R6WD01D	GRM1555C1H2R6WA01D
	±0.1pF(B)	GRM0225C1C2R6BD05L	GRM0335C1H2R6BD01D	GRM1555C1H2R6BA01D
	±0.25pF(C)	GRM0225C1C2R6CD05L	GRM0335C1H2R6CD01D	GRM1555C1H2R6CA01D
2.7pF(2R7)	±0.05pF(W)	GRM0225C1C2R7WD05L	GRM0335C1H2R7WD01D	GRM1555C1H2R7WA01D
	±0.1pF(B)	GRM0225C1C2R7BD05L	GRM0335C1H2R7BD01D	GRM1555C1H2R7BA01D
	±0.25pF(C)	GRM0225C1C2R7CD05L	GRM0335C1H2R7CD01D	GRM1555C1H2R7CA01D
2.8pF(2R8)	±0.05pF(W)	GRM0225C1C2R8WD05L	GRM0335C1H2R8WD01D	GRM1555C1H2R8WA01D
	±0.1pF(B)	GRM0225C1C2R8BD05L	GRM0335C1H2R8BD01D	GRM1555C1H2R8BA01D
	±0.25pF(C)	GRM0225C1C2R8CD05L	GRM0335C1H2R8CD01D	GRM1555C1H2R8CA01D
2.9pF(2R9)	±0.05pF(W)	GRM0225C1C2R9WD05L	GRM0335C1H2R9WD01D	GRM1555C1H2R9WA01D
	±0.1pF(B)	GRM0225C1C2R9BD05L	GRM0335C1H2R9BD01D	GRM1555C1H2R9BA01D
	±0.25pF(C)	GRM0225C1C2R9CD05L	GRM0335C1H2R9CD01D	GRM1555C1H2R9CA01D
3.0pF(3R0)	±0.05pF(W)	GRM0225C1C3R0WD05L	GRM0335C1H3R0WD01D	GRM1555C1H3R0WA01D
	±0.1pF(B)	GRM0225C1C3R0BD05L	GRM0335C1H3R0BD01D	GRM1555C1H3R0BA01D
	±0.25pF(C)	GRM0225C1C3R0CD05L	GRM0335C1H3R0CD01D	GRM1555C1H3R0CA01D
3.1pF(3R1)	±0.05pF(W)	GRM0225C1C3R1WD05L	GRM0335C1H3R1WD01D	GRM1555C1H3R1WA01D
	±0.1pF(B)	GRM0225C1C3R1BD05L	GRM0335C1H3R1BD01D	GRM1555C1H3R1BA01D
	±0.25pF(C)	GRM0225C1C3R1CD05L	GRM0335C1H3R1CD01D	GRM1555C1H3R1CA01D
3.2pF(3R2)	±0.05pF(W)	GRM0225C1C3R2WD05L	GRM0335C1H3R2WD01D	GRM1555C1H3R2WA01D
	±0.1pF(B)	GRM0225C1C3R2BD05L	GRM0335C1H3R2BD01D	GRM1555C1H3R2BA01D
	±0.25pF(C)	GRM0225C1C3R2CD05L	GRM0335C1H3R2CD01D	GRM1555C1H3R2CA01D
3.3pF(3R3)	±0.05pF(W)	GRM0225C1C3R3WD05L	GRM0335C1H3R3WD01D	GRM1555C1H3R3WA01D
	±0.1pF(B)	GRM0225C1C3R3BD05L	GRM0335C1H3R3BD01D	GRM1555C1H3R3BA01D
	±0.25pF(C)	GRM0225C1C3R3CD05L	GRM0335C1H3R3CD01D	GRM1555C1H3R3CA01D
3.4pF(3R4)	±0.05pF(W)	GRM0225C1C3R4WD05L	GRM0335C1H3R4WD01D	GRM1555C1H3R4WA01D
	±0.1pF(B)	GRM0225C1C3R4BD05L	GRM0335C1H3R4BD01D	GRM1555C1H3R4BA01D
	±0.25pF(C)	GRM0225C1C3R4CD05L	GRM0335C1H3R4CD01D	GRM1555C1H3R4CA01D
3.5pF(3R5)	±0.05pF(W)	GRM0225C1C3R5WD05L	GRM0335C1H3R5WD01D	GRM1555C1H3R5WA01D
	±0.1pF(B)	GRM0225C1C3R5BD05L	GRM0335C1H3R5BD01D	GRM1555C1H3R5BA01D
	±0.25pF(C)	GRM0225C1C3R5CD05L	GRM0335C1H3R5CD01D	GRM1555C1H3R5CA01D

The part number code is shown in () and Unit is shown in []. < >: EIA [inch] Code

(Part Number) **GR** **M** **02** **2** **5C** **1C** **2R0** **W** **D05** **L** **1** **2** **3** **4** **5** **6** **7** **8** **9** **10**

① Product ID ② Series ③ Dimensions (LxW) ④ Dimension (T)
 ⑤ Temperature Characteristics ⑥ Rated Voltage ⑦ Capacitance
 ⑧ Capacitance Tolerance ⑨ Individual Specification Code ⑩ Packaging*

Packaging Code in Part Number shows STD 180mm Reel Taping.

*GRM022: D is applicable.

Temperature Compensating Type C0G(5C) Characteristics

LxW [mm]		0.4x0.2(02)<01005>	0.6x0.3(03)<0201>	1.0x0.5(15)<0402>
Rated Volt. [Vdc]		16(1C)	50(1H)	50(1H)
Capacitance	Tolerance	Part Number		
3.6pF(3R6)	±0.05pF(W)	GRM0225C1C3R6WD05L	GRM0335C1H3R6WD01D	GRM1555C1H3R6WA01D
	±0.1pF(B)	GRM0225C1C3R6BD05L	GRM0335C1H3R6BD01D	GRM1555C1H3R6BA01D
	±0.25pF(C)	GRM0225C1C3R6CD05L	GRM0335C1H3R6CD01D	GRM1555C1H3R6CA01D
3.7pF(3R7)	±0.05pF(W)	GRM0225C1C3R7WD05L	GRM0335C1H3R7WD01D	GRM1555C1H3R7WA01D
	±0.1pF(B)	GRM0225C1C3R7BD05L	GRM0335C1H3R7BD01D	GRM1555C1H3R7BA01D
	±0.25pF(C)	GRM0225C1C3R7CD05L	GRM0335C1H3R7CD01D	GRM1555C1H3R7CA01D
3.8pF(3R8)	±0.05pF(W)	GRM0225C1C3R8WD05L	GRM0335C1H3R8WD01D	GRM1555C1H3R8WA01D
	±0.1pF(B)	GRM0225C1C3R8BD05L	GRM0335C1H3R8BD01D	GRM1555C1H3R8BA01D
	±0.25pF(C)	GRM0225C1C3R8CD05L	GRM0335C1H3R8CD01D	GRM1555C1H3R8CA01D
3.9pF(3R9)	±0.05pF(W)	GRM0225C1C3R9WD05L	GRM0335C1H3R9WD01D	GRM1555C1H3R9WA01D
	±0.1pF(B)	GRM0225C1C3R9BD05L	GRM0335C1H3R9BD01D	GRM1555C1H3R9BA01D
	±0.25pF(C)	GRM0225C1C3R9CD05L	GRM0335C1H3R9CD01D	GRM1555C1H3R9CA01D
4.0pF(4R0)	±0.05pF(W)	GRM0225C1C4R0WD05L	GRM0335C1H4R0WD01D	GRM1555C1H4R0WA01D
	±0.1pF(B)	GRM0225C1C4R0BD05L	GRM0335C1H4R0BD01D	GRM1555C1H4R0BA01D
	±0.25pF(C)	GRM0225C1C4R0CD05L	GRM0335C1H4R0CD01D	GRM1555C1H4R0CA01D
4.1pF(4R1)	±0.05pF(W)	GRM0225C1C4R1WD05L	GRM0335C1H4R1WD01D	GRM1555C1H4R1WA01D
	±0.1pF(B)	GRM0225C1C4R1BD05L	GRM0335C1H4R1BD01D	GRM1555C1H4R1BA01D
	±0.25pF(C)	GRM0225C1C4R1CD05L	GRM0335C1H4R1CD01D	GRM1555C1H4R1CA01D
4.2pF(4R2)	±0.05pF(W)	GRM0225C1C4R2WD05L	GRM0335C1H4R2WD01D	GRM1555C1H4R2WA01D
	±0.1pF(B)	GRM0225C1C4R2BD05L	GRM0335C1H4R2BD01D	GRM1555C1H4R2BA01D
	±0.25pF(C)	GRM0225C1C4R2CD05L	GRM0335C1H4R2CD01D	GRM1555C1H4R2CA01D
4.3pF(4R3)	±0.05pF(W)	GRM0225C1C4R3WD05L	GRM0335C1H4R3WD01D	GRM1555C1H4R3WA01D
	±0.1pF(B)	GRM0225C1C4R3BD05L	GRM0335C1H4R3BD01D	GRM1555C1H4R3BA01D
	±0.25pF(C)	GRM0225C1C4R3CD05L	GRM0335C1H4R3CD01D	GRM1555C1H4R3CA01D
4.4pF(4R4)	±0.05pF(W)	GRM0225C1C4R4WD05L	GRM0335C1H4R4WD01D	GRM1555C1H4R4WA01D
	±0.1pF(B)	GRM0225C1C4R4BD05L	GRM0335C1H4R4BD01D	GRM1555C1H4R4BA01D
	±0.25pF(C)	GRM0225C1C4R4CD05L	GRM0335C1H4R4CD01D	GRM1555C1H4R4CA01D
4.5pF(4R5)	±0.05pF(W)	GRM0225C1C4R5WD05L	GRM0335C1H4R5WD01D	GRM1555C1H4R5WA01D
	±0.1pF(B)	GRM0225C1C4R5BD05L	GRM0335C1H4R5BD01D	GRM1555C1H4R5BA01D
	±0.25pF(C)	GRM0225C1C4R5CD05L	GRM0335C1H4R5CD01D	GRM1555C1H4R5CA01D
4.6pF(4R6)	±0.05pF(W)	GRM0225C1C4R6WD05L	GRM0335C1H4R6WD01D	GRM1555C1H4R6WA01D
	±0.1pF(B)	GRM0225C1C4R6BD05L	GRM0335C1H4R6BD01D	GRM1555C1H4R6BA01D
	±0.25pF(C)	GRM0225C1C4R6CD05L	GRM0335C1H4R6CD01D	GRM1555C1H4R6CA01D
4.7pF(4R7)	±0.05pF(W)	GRM0225C1C4R7WD05L	GRM0335C1H4R7WD01D	GRM1555C1H4R7WA01D
	±0.1pF(B)	GRM0225C1C4R7BD05L	GRM0335C1H4R7BD01D	GRM1555C1H4R7BA01D
	±0.25pF(C)	GRM0225C1C4R7CD05L	GRM0335C1H4R7CD01D	GRM1555C1H4R7CA01D
4.8pF(4R8)	±0.05pF(W)	GRM0225C1C4R8WD05L	GRM0335C1H4R8WD01D	GRM1555C1H4R8WA01D
	±0.1pF(B)	GRM0225C1C4R8BD05L	GRM0335C1H4R8BD01D	GRM1555C1H4R8BA01D
	±0.25pF(C)	GRM0225C1C4R8CD05L	GRM0335C1H4R8CD01D	GRM1555C1H4R8CA01D
4.9pF(4R9)	±0.05pF(W)	GRM0225C1C4R9WD05L	GRM0335C1H4R9WD01D	GRM1555C1H4R9WA01D
	±0.1pF(B)	GRM0225C1C4R9BD05L	GRM0335C1H4R9BD01D	GRM1555C1H4R9BA01D
	±0.25pF(C)	GRM0225C1C4R9CD05L	GRM0335C1H4R9CD01D	GRM1555C1H4R9CA01D
5.0pF(5R0)	±0.05pF(W)	GRM0225C1C5R0WD05L	GRM0335C1H5R0WD01D	GRM1555C1H5R0WA01D
	±0.1pF(B)	GRM0225C1C5R0BD05L	GRM0335C1H5R0BD01D	GRM1555C1H5R0BA01D
	±0.25pF(C)	GRM0225C1C5R0CD05L	GRM0335C1H5R0CD01D	GRM1555C1H5R0CA01D
5.1pF(5R1)	±0.05pF(W)	GRM0225C1C5R1WD05L	GRM0335C1H5R1WD01D	GRM1555C1H5R1WA01D
	±0.1pF(B)	GRM0225C1C5R1BD05L	GRM0335C1H5R1BD01D	GRM1555C1H5R1BA01D
	±0.25pF(C)	GRM0225C1C5R1CD05L	GRM0335C1H5R1CD01D	GRM1555C1H5R1CA01D
	±0.5pF(D)	GRM0225C1C5R1DD05L	GRM0335C1H5R1DD01D	GRM1555C1H5R1DA01D

The part number code is shown in () and Unit is shown in []. < >: EIA [inch] Code

For General GRM Series
Array GNM Series
Low ESL LL□ Series
High-Q GJM Series
High Frequency GQM Series
Monolithic Microchip GMA Series
For Bonding GMD Series
Product Information

Temperature Compensating Type C0G(5C) Characteristics

LxW [mm]		0.4x0.2(02)<01005>	0.6x0.3(03)<0201>	1.0x0.5(15)<0402>
Rated Volt. [Vdc]		16(1C)	50(1H)	50(1H)
Capacitance	Tolerance	Part Number		
6.4pF(6R4)	±0.05pF(W)	GRM0225C1C6R4WD05L	GRM0335C1H6R4WD01D	GRM1555C1H6R4WA01D
	±0.1pF(B)	GRM0225C1C6R4BD05L	GRM0335C1H6R4BD01D	GRM1555C1H6R4BA01D
	±0.25pF(C)	GRM0225C1C6R4CD05L	GRM0335C1H6R4CD01D	GRM1555C1H6R4CA01D
	±0.5pF(D)	GRM0225C1C6R4DD05L	GRM0335C1H6R4DD01D	GRM1555C1H6R4DA01D
6.5pF(6R5)	±0.05pF(W)	GRM0225C1C6R5WD05L	GRM0335C1H6R5WD01D	GRM1555C1H6R5WA01D
	±0.1pF(B)	GRM0225C1C6R5BD05L	GRM0335C1H6R5BD01D	GRM1555C1H6R5BA01D
	±0.25pF(C)	GRM0225C1C6R5CD05L	GRM0335C1H6R5CD01D	GRM1555C1H6R5CA01D
	±0.5pF(D)	GRM0225C1C6R5DD05L	GRM0335C1H6R5DD01D	GRM1555C1H6R5DA01D
6.6pF(6R6)	±0.05pF(W)	GRM0225C1C6R6WD05L	GRM0335C1H6R6WD01D	GRM1555C1H6R6WA01D
	±0.1pF(B)	GRM0225C1C6R6BD05L	GRM0335C1H6R6BD01D	GRM1555C1H6R6BA01D
	±0.25pF(C)	GRM0225C1C6R6CD05L	GRM0335C1H6R6CD01D	GRM1555C1H6R6CA01D
	±0.5pF(D)	GRM0225C1C6R6DD05L	GRM0335C1H6R6DD01D	GRM1555C1H6R6DA01D
6.7pF(6R7)	±0.05pF(W)	GRM0225C1C6R7WD05L	GRM0335C1H6R7WD01D	GRM1555C1H6R7WA01D
	±0.1pF(B)	GRM0225C1C6R7BD05L	GRM0335C1H6R7BD01D	GRM1555C1H6R7BA01D
	±0.25pF(C)	GRM0225C1C6R7CD05L	GRM0335C1H6R7CD01D	GRM1555C1H6R7CA01D
	±0.5pF(D)	GRM0225C1C6R7DD05L	GRM0335C1H6R7DD01D	GRM1555C1H6R7DA01D
6.8pF(6R8)	±0.05pF(W)	GRM0225C1C6R8WD05L	GRM0335C1H6R8WD01D	GRM1555C1H6R8WA01D
	±0.1pF(B)	GRM0225C1C6R8BD05L	GRM0335C1H6R8BD01D	GRM1555C1H6R8BA01D
	±0.25pF(C)	GRM0225C1C6R8CD05L	GRM0335C1H6R8CD01D	GRM1555C1H6R8CA01D
	±0.5pF(D)	GRM0225C1C6R8DD05L	GRM0335C1H6R8DD01D	GRM1555C1H6R8DA01D
6.9pF(6R9)	±0.05pF(W)	GRM0225C1C6R9WD05L	GRM0335C1H6R9WD01D	GRM1555C1H6R9WA01D
	±0.1pF(B)	GRM0225C1C6R9BD05L	GRM0335C1H6R9BD01D	GRM1555C1H6R9BA01D
	±0.25pF(C)	GRM0225C1C6R9CD05L	GRM0335C1H6R9CD01D	GRM1555C1H6R9CA01D
	±0.5pF(D)	GRM0225C1C6R9DD05L	GRM0335C1H6R9DD01D	GRM1555C1H6R9DA01D
7.0pF(7R0)	±0.05pF(W)	GRM0225C1C7R0WD05L	GRM0335C1H7R0WD01D	GRM1555C1H7R0WA01D
	±0.1pF(B)	GRM0225C1C7R0BD05L	GRM0335C1H7R0BD01D	GRM1555C1H7R0BA01D
	±0.25pF(C)	GRM0225C1C7R0CD05L	GRM0335C1H7R0CD01D	GRM1555C1H7R0CA01D
	±0.5pF(D)	GRM0225C1C7R0DD05L	GRM0335C1H7R0DD01D	GRM1555C1H7R0DA01D
7.1pF(7R1)	±0.05pF(W)	GRM0225C1C7R1WD05L	GRM0335C1H7R1WD01D	GRM1555C1H7R1WA01D
	±0.1pF(B)	GRM0225C1C7R1BD05L	GRM0335C1H7R1BD01D	GRM1555C1H7R1BA01D
	±0.25pF(C)	GRM0225C1C7R1CD05L	GRM0335C1H7R1CD01D	GRM1555C1H7R1CA01D
	±0.5pF(D)	GRM0225C1C7R1DD05L	GRM0335C1H7R1DD01D	GRM1555C1H7R1DA01D
7.2pF(7R2)	±0.05pF(W)	GRM0225C1C7R2WD05L	GRM0335C1H7R2WD01D	GRM1555C1H7R2WA01D
	±0.1pF(B)	GRM0225C1C7R2BD05L	GRM0335C1H7R2BD01D	GRM1555C1H7R2BA01D
	±0.25pF(C)	GRM0225C1C7R2CD05L	GRM0335C1H7R2CD01D	GRM1555C1H7R2CA01D
	±0.5pF(D)	GRM0225C1C7R2DD05L	GRM0335C1H7R2DD01D	GRM1555C1H7R2DA01D
7.3pF(7R3)	±0.05pF(W)	GRM0225C1C7R3WD05L	GRM0335C1H7R3WD01D	GRM1555C1H7R3WA01D
	±0.1pF(B)	GRM0225C1C7R3BD05L	GRM0335C1H7R3BD01D	GRM1555C1H7R3BA01D
	±0.25pF(C)	GRM0225C1C7R3CD05L	GRM0335C1H7R3CD01D	GRM1555C1H7R3CA01D
	±0.5pF(D)	GRM0225C1C7R3DD05L	GRM0335C1H7R3DD01D	GRM1555C1H7R3DA01D
7.4pF(7R4)	±0.05pF(W)	GRM0225C1C7R4WD05L	GRM0335C1H7R4WD01D	GRM1555C1H7R4WA01D
	±0.1pF(B)	GRM0225C1C7R4BD05L	GRM0335C1H7R4BD01D	GRM1555C1H7R4BA01D
	±0.25pF(C)	GRM0225C1C7R4CD05L	GRM0335C1H7R4CD01D	GRM1555C1H7R4CA01D
	±0.5pF(D)	GRM0225C1C7R4DD05L	GRM0335C1H7R4DD01D	GRM1555C1H7R4DA01D
7.5pF(7R5)	±0.05pF(W)	GRM0225C1C7R5WD05L	GRM0335C1H7R5WD01D	GRM1555C1H7R5WA01D
	±0.1pF(B)	GRM0225C1C7R5BD05L	GRM0335C1H7R5BD01D	GRM1555C1H7R5BA01D
	±0.25pF(C)	GRM0225C1C7R5CD05L	GRM0335C1H7R5CD01D	GRM1555C1H7R5CA01D
	±0.5pF(D)	GRM0225C1C7R5DD05L	GRM0335C1H7R5DD01D	GRM1555C1H7R5DA01D

The part number code is shown in () and Unit is shown in []. < >: EIA [inch] Code

For General GRM Series
 Array GNM Series
 Low ESL LL□ Series
 High-Q GJM Series
 High Frequency GQM Series
 Monolithic Microchip GMA Series
 For Bonding GMD Series
 Product Information

Temperature Compensating Type C0G(5C) Characteristics

LxW [mm]		0.4x0.2(02)<01005>	0.6x0.3(03)<0201>	1.0x0.5(15)<0402>
Rated Volt. [Vdc]		16(1C)	50(1H)	50(1H)
Capacitance	Tolerance	Part Number		
8.8pF(8R8)	±0.05pF(W)	GRM0225C1C8R8WD05L	GRM0335C1H8R8WD01D	GRM1555C1H8R8WA01D
	±0.1pF(B)	GRM0225C1C8R8BD05L	GRM0335C1H8R8BD01D	GRM1555C1H8R8BA01D
	±0.25pF(C)	GRM0225C1C8R8CD05L	GRM0335C1H8R8CD01D	GRM1555C1H8R8CA01D
	±0.5pF(D)	GRM0225C1C8R8DD05L	GRM0335C1H8R8DD01D	GRM1555C1H8R8DA01D
8.9pF(8R9)	±0.05pF(W)	GRM0225C1C8R9WD05L	GRM0335C1H8R9WD01D	GRM1555C1H8R9WA01D
	±0.1pF(B)	GRM0225C1C8R9BD05L	GRM0335C1H8R9BD01D	GRM1555C1H8R9BA01D
	±0.25pF(C)	GRM0225C1C8R9CD05L	GRM0335C1H8R9CD01D	GRM1555C1H8R9CA01D
	±0.5pF(D)	GRM0225C1C8R9DD05L	GRM0335C1H8R9DD01D	GRM1555C1H8R9DA01D
9.0pF(9R0)	±0.05pF(W)	GRM0225C1C9R0WD05L	GRM0335C1H9R0WD01D	GRM1555C1H9R0WA01D
	±0.1pF(B)	GRM0225C1C9R0BD05L	GRM0335C1H9R0BD01D	GRM1555C1H9R0BA01D
	±0.25pF(C)	GRM0225C1C9R0CD05L	GRM0335C1H9R0CD01D	GRM1555C1H9R0CA01D
	±0.5pF(D)	GRM0225C1C9R0DD05L	GRM0335C1H9R0DD01D	GRM1555C1H9R0DA01D
9.1pF(9R1)	±0.05pF(W)	GRM0225C1C9R1WD05L	GRM0335C1H9R1WD01D	GRM1555C1H9R1WA01D
	±0.1pF(B)	GRM0225C1C9R1BD05L	GRM0335C1H9R1BD01D	GRM1555C1H9R1BA01D
	±0.25pF(C)	GRM0225C1C9R1CD05L	GRM0335C1H9R1CD01D	GRM1555C1H9R1CA01D
	±0.5pF(D)	GRM0225C1C9R1DD05L	GRM0335C1H9R1DD01D	GRM1555C1H9R1DA01D
9.2pF(9R2)	±0.05pF(W)	GRM0225C1C9R2WD05L	GRM0335C1H9R2WD01D	GRM1555C1H9R2WA01D
	±0.1pF(B)	GRM0225C1C9R2BD05L	GRM0335C1H9R2BD01D	GRM1555C1H9R2BA01D
	±0.25pF(C)	GRM0225C1C9R2CD05L	GRM0335C1H9R2CD01D	GRM1555C1H9R2CA01D
	±0.5pF(D)	GRM0225C1C9R2DD05L	GRM0335C1H9R2DD01D	GRM1555C1H9R2DA01D
9.3pF(9R3)	±0.05pF(W)	GRM0225C1C9R3WD05L	GRM0335C1H9R3WD01D	GRM1555C1H9R3WA01D
	±0.1pF(B)	GRM0225C1C9R3BD05L	GRM0335C1H9R3BD01D	GRM1555C1H9R3BA01D
	±0.25pF(C)	GRM0225C1C9R3CD05L	GRM0335C1H9R3CD01D	GRM1555C1H9R3CA01D
	±0.5pF(D)	GRM0225C1C9R3DD05L	GRM0335C1H9R3DD01D	GRM1555C1H9R3DA01D
9.4pF(9R4)	±0.05pF(W)	GRM0225C1C9R4WD05L	GRM0335C1H9R4WD01D	GRM1555C1H9R4WA01D
	±0.1pF(B)	GRM0225C1C9R4BD05L	GRM0335C1H9R4BD01D	GRM1555C1H9R4BA01D
	±0.25pF(C)	GRM0225C1C9R4CD05L	GRM0335C1H9R4CD01D	GRM1555C1H9R4CA01D
	±0.5pF(D)	GRM0225C1C9R4DD05L	GRM0335C1H9R4DD01D	GRM1555C1H9R4DA01D
9.5pF(9R5)	±0.05pF(W)	GRM0225C1C9R5WD05L	GRM0335C1H9R5WD01D	GRM1555C1H9R5WA01D
	±0.1pF(B)	GRM0225C1C9R5BD05L	GRM0335C1H9R5BD01D	GRM1555C1H9R5BA01D
	±0.25pF(C)	GRM0225C1C9R5CD05L	GRM0335C1H9R5CD01D	GRM1555C1H9R5CA01D
	±0.5pF(D)	GRM0225C1C9R5DD05L	GRM0335C1H9R5DD01D	GRM1555C1H9R5DA01D
9.6pF(9R6)	±0.05pF(W)	GRM0225C1C9R6WD05L	GRM0335C1H9R6WD01D	GRM1555C1H9R6WA01D
	±0.1pF(B)	GRM0225C1C9R6BD05L	GRM0335C1H9R6BD01D	GRM1555C1H9R6BA01D
	±0.25pF(C)	GRM0225C1C9R6CD05L	GRM0335C1H9R6CD01D	GRM1555C1H9R6CA01D
	±0.5pF(D)	GRM0225C1C9R6DD05L	GRM0335C1H9R6DD01D	GRM1555C1H9R6DA01D
9.7pF(9R7)	±0.05pF(W)	GRM0225C1C9R7WD05L	GRM0335C1H9R7WD01D	GRM1555C1H9R7WA01D
	±0.1pF(B)	GRM0225C1C9R7BD05L	GRM0335C1H9R7BD01D	GRM1555C1H9R7BA01D
	±0.25pF(C)	GRM0225C1C9R7CD05L	GRM0335C1H9R7CD01D	GRM1555C1H9R7CA01D
	±0.5pF(D)	GRM0225C1C9R7DD05L	GRM0335C1H9R7DD01D	GRM1555C1H9R7DA01D
9.8pF(9R8)	±0.05pF(W)	GRM0225C1C9R8WD05L	GRM0335C1H9R8WD01D	GRM1555C1H9R8WA01D
	±0.1pF(B)	GRM0225C1C9R8BD05L	GRM0335C1H9R8BD01D	GRM1555C1H9R8BA01D
	±0.25pF(C)	GRM0225C1C9R8CD05L	GRM0335C1H9R8CD01D	GRM1555C1H9R8CA01D
	±0.5pF(D)	GRM0225C1C9R8DD05L	GRM0335C1H9R8DD01D	GRM1555C1H9R8DA01D
9.9pF(9R9)	±0.05pF(W)	GRM0225C1C9R9WD05L	GRM0335C1H9R9WD01D	GRM1555C1H9R9WA01D
	±0.1pF(B)	GRM0225C1C9R9BD05L	GRM0335C1H9R9BD01D	GRM1555C1H9R9BA01D
	±0.25pF(C)	GRM0225C1C9R9CD05L	GRM0335C1H9R9CD01D	GRM1555C1H9R9CA01D
	±0.5pF(D)	GRM0225C1C9R9DD05L	GRM0335C1H9R9DD01D	GRM1555C1H9R9DA01D

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For General GRM Series

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Product Information