

Chip Monolithic Ceramic Capacitors



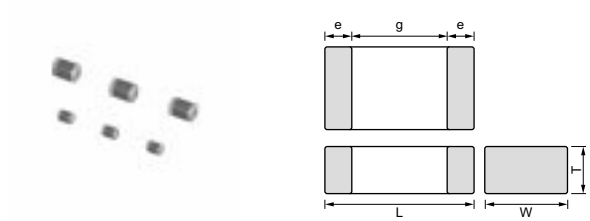
High-Q Type GJM Series

■ Features

1. Mobile Telecommunication and RF module, mainly
2. Improvement of telephone call quality, Low power Consumption, yield ratio improvement.

■ Applications

VCO, PA, Mobile Telecommunication



Part Number	Dimensions (mm)				
	L	W	T	e	g min.
GJM03	0.6±0.03	0.3±0.03	0.3±0.03	0.1 to 0.2	0.2
GJM15	1.0±0.05	0.5±0.05	0.5±0.05	0.15 to 0.35	0.3

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 COG (5C)/COH (6C) Characteristics

3 ex.3: T Dimension [mm]

Capacitance	LxW [mm]	0.6x0.3 (03) <0201>		1.0x0.5 (15) <0402>
		Rated Voltage [Vdc]	25 (1E)	6.3 (0J)
0.1pF(R10)				5
0.2pF(R20)	3			5
0.3pF(R30)	3			5
0.4pF(R40)	3			5
0.5pF(R50)	3			5
0.6pF(R60)	3			5
0.7pF(R70)	3			5
0.8pF(R80)	3			5
0.9pF(R90)	3			5
1.0pF(1R0)	3			5
1.1pF(1R1)	3			5
1.2pF(1R2)	3			5
1.3pF(1R3)	3			5
1.4pF(1R4)	3			5
1.5pF(1R5)	3			5
1.6pF(1R6)	3			5
1.7pF(1R7)	3			5
1.8pF(1R8)	3			5
1.9pF(1R9)	3			5
2.0pF(2R0)	3			5
2.1pF(2R1)	3			5
2.2pF(2R2)	3			5
2.3pF(2R3)	3			5
2.4pF(2R4)	3			5
2.5pF(2R5)	3			5
2.6pF(2R6)	3			5
2.7pF(2R7)	3			5
2.8pF(2R8)	3			5
2.9pF(2R9)	3			5
3.0pF(3R0)	3			5
3.1pF(3R1)	3			5
3.2pF(3R2)	3			5
3.3pF(3R3)	3			5
3.4pF(3R4)	3			5
3.5pF(3R5)	3			5
3.6pF(3R6)	3			5
3.7pF(3R7)	3			5
3.8pF(3R8)	3			5
3.9pF(3R9)	3			5
4.0pF(4R0)	3			5
4.1pF(4R1)	3			5
4.2pF(4R2)	3			5
4.3pF(4R3)	3			5
4.4pF(4R4)	3			5
4.5pF(4R5)	3			5
4.6pF(4R6)	3			5
4.7pF(4R7)	3			5
4.8pF(4R8)	3			5
4.9pF(4R9)	3			5

Capacitance	LxW [mm]	0.6x0.3 (03) <0201>		1.0x0.5 (15) <0402>
		Rated Voltage [Vdc]	25 (1E)	6.3 (0J)
5.0pF(5R0)		3		5
5.1pF(5R1)	3			5
5.2pF(5R2)	3			5
5.3pF(5R3)	3			5
5.4pF(5R4)	3			5
5.5pF(5R5)	3			5
5.6pF(5R6)	3			5
5.7pF(5R7)	3			5
5.8pF(5R8)	3			5
5.9pF(5R9)	3			5
6.0pF(6R0)	3			5
6.1pF(6R1)	3			5
6.2pF(6R2)	3			5
6.3pF(6R3)	3			5
6.4pF(6R4)	3			5
6.5pF(6R5)	3			5
6.6pF(6R6)	3			5
6.7pF(6R7)	3			5
6.8pF(6R8)	3			5
6.9pF(6R9)	3			5
7.0pF(7R0)	3			5
7.1pF(7R1)	3			5
7.2pF(7R2)	3			5
7.3pF(7R3)	3			5
7.4pF(7R4)	3			5
7.5pF(7R5)	3			5
7.6pF(7R6)	3			5
7.7pF(7R7)	3			5
7.8pF(7R8)	3			5
7.9pF(7R9)	3			5
8.0pF(8R0)	3			5
8.1pF(8R1)	3			5
8.2pF(8R2)	3			5
8.3pF(8R3)	3			5
8.4pF(8R4)	3			5
8.5pF(8R5)	3			5
8.6pF(8R6)	3			5
8.7pF(8R7)	3			5
8.8pF(8R8)	3			5
8.9pF(8R9)	3			5
9.0pF(9R0)	3			5
9.1pF(9R1)	3			5
9.2pF(9R2)	3			5
9.3pF(9R3)	3			5
9.4pF(9R4)	3			5
9.5pF(9R5)	3			5
9.6pF(9R6)	3			5
9.7pF(9R7)	3			5
9.8pF(9R8)	3			5

Capacitance	LxW [mm]	0.6x0.3 (03) <0201>		1.0x0.5 (15) <0402>
		Rated Voltage [Vdc]	25 (1E)	6.3 (0J)
9.9pF(9R9)		3		5
10pF(100)	3			5
11pF(110)	3			5
12pF(120)	3			5
13pF(130)	3			5
15pF(150)	3			5
16pF(160)	3			5
18pF(180)	3			5
20pF(200)	3			5
22pF(220)			3	
24pF(240)			3	
27pF(270)			3	
30pF(300)			3	
33pF(330)			3	

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

Temperature Compensating Type C0G(5C) Characteristics

LxW [mm]		0.6x0.3(03)<0201>	1.0x0.5(15)<0402>
Rated Volt. [Vdc]		25(1E)	50(1H)
Capacitance	Tolerance	Part Number	
0.1p F (R10)	±0.05p F (W)		GJM1555C1HR10WB01D
	±0.1p F (B)		GJM1555C1HR10BB01D
0.2p F (R20)	±0.05p F (W)	GJM0335C1ER20WB01D	GJM1555C1HR20WB01D
	±0.1p F (B)	GJM0335C1ER20BB01D	GJM1555C1HR20BB01D
0.3p F (R30)	±0.05p F (W)	GJM0335C1ER30WB01D	GJM1555C1HR30WB01D
	±0.1p F (B)	GJM0335C1ER30BB01D	GJM1555C1HR30BB01D
0.4p F (R40)	±0.05p F (W)	GJM0335C1ER40WB01D	GJM1555C1HR40WB01D
	±0.1p F (B)	GJM0335C1ER40BB01D	GJM1555C1HR40BB01D
0.5p F (R50)	±0.05p F (W)	GJM0335C1ER50WB01D	GJM1555C1HR50WB01D
	±0.1p F (B)	GJM0335C1ER50BB01D	GJM1555C1HR50BB01D
0.6p F (R60)	±0.05p F (W)	GJM0335C1ER60WB01D	GJM1555C1HR60WB01D
	±0.1p F (B)	GJM0335C1ER60BB01D	GJM1555C1HR60BB01D
0.7p F (R70)	±0.05p F (W)	GJM0335C1ER70WB01D	GJM1555C1HR70WB01D
	±0.1p F (B)	GJM0335C1ER70BB01D	GJM1555C1HR70BB01D
0.8p F (R80)	±0.05p F (W)	GJM0335C1ER80WB01D	GJM1555C1HR80WB01D
	±0.1p F (B)	GJM0335C1ER80BB01D	GJM1555C1HR80BB01D
0.9p F (R90)	±0.05p F (W)	GJM0335C1ER90WB01D	GJM1555C1HR90WB01D
	±0.1p F (B)	GJM0335C1ER90BB01D	GJM1555C1HR90BB01D
1.0p F (1R0)	±0.05p F (W)	GJM0335C1E1R0WB01D	GJM1555C1H1R0WB01D
	±0.1p F (B)	GJM0335C1E1R0BB01D	GJM1555C1H1R0BB01D
	±0.25p F (C)	GJM0335C1E1R0CB01D	GJM1555C1H1R0CB01D
1.1p F (1R1)	±0.05p F (W)	GJM0335C1E1R1WB01D	GJM1555C1H1R1WB01D
	±0.1p F (B)	GJM0335C1E1R1BB01D	GJM1555C1H1R1BB01D
	±0.25p F (C)	GJM0335C1E1R1CB01D	GJM1555C1H1R1CB01D
1.2p F (1R2)	±0.05p F (W)	GJM0335C1E1R2WB01D	GJM1555C1H1R2WB01D
	±0.1p F (B)	GJM0335C1E1R2BB01D	GJM1555C1H1R2BB01D
	±0.25p F (C)	GJM0335C1E1R2CB01D	GJM1555C1H1R2CB01D
1.3p F (1R3)	±0.05p F (W)	GJM0335C1E1R3WB01D	GJM1555C1H1R3WB01D
	±0.1p F (B)	GJM0335C1E1R3BB01D	GJM1555C1H1R3BB01D
	±0.25p F (C)	GJM0335C1E1R3CB01D	GJM1555C1H1R3CB01D
1.4p F (1R4)	±0.05p F (W)	GJM0335C1E1R4WB01D	GJM1555C1H1R4WB01D
	±0.1p F (B)	GJM0335C1E1R4BB01D	GJM1555C1H1R4BB01D
	±0.25p F (C)	GJM0335C1E1R4CB01D	GJM1555C1H1R4CB01D
1.5p F (1R5)	±0.05p F (W)	GJM0335C1E1R5WB01D	GJM1555C1H1R5WB01D
	±0.1p F (B)	GJM0335C1E1R5BB01D	GJM1555C1H1R5BB01D
	±0.25p F (C)	GJM0335C1E1R5CB01D	GJM1555C1H1R5CB01D
1.6p F (1R6)	±0.05p F (W)	GJM0335C1E1R6WB01D	GJM1555C1H1R6WB01D
	±0.1p F (B)	GJM0335C1E1R6BB01D	GJM1555C1H1R6BB01D
	±0.25p F (C)	GJM0335C1E1R6CB01D	GJM1555C1H1R6CB01D
1.7p F (1R7)	±0.05p F (W)	GJM0335C1E1R7WB01D	GJM1555C1H1R7WB01D
	±0.1p F (B)	GJM0335C1E1R7BB01D	GJM1555C1H1R7BB01D
	±0.25p F (C)	GJM0335C1E1R7CB01D	GJM1555C1H1R7CB01D
1.8p F (1R8)	±0.05p F (W)	GJM0335C1E1R8WB01D	GJM1555C1H1R8WB01D
	±0.1p F (B)	GJM0335C1E1R8BB01D	GJM1555C1H1R8BB01D
	±0.25p F (C)	GJM0335C1E1R8CB01D	GJM1555C1H1R8CB01D
1.9p F (1R9)	±0.05p F (W)	GJM0335C1E1R9WB01D	GJM1555C1H1R9WB01D
	±0.1p F (B)	GJM0335C1E1R9BB01D	GJM1555C1H1R9BB01D
	±0.25p F (C)	GJM0335C1E1R9CB01D	GJM1555C1H1R9CB01D

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

(Part Number) GJ M 03 3 5C 1E R20 W B01 D

1 2 3 4 5 6 7 8 9 10

1 Product ID 2 Series
5 Temperature Characteristics 6 Rated Voltage
8 Capacitance Tolerance 7 Capacitance
9 Individual Specification Code 10 Packaging

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

Temperature Compensating Type C0G(5C) Characteristics

LxW [mm]		0.6x0.3(03)<0201>	1.0x0.5(15)<0402>
Rated Volt. [Vdc]		25(1E)	50(1H)
Capacitance	Tolerance	Part Number	
2.0pF (2R0)	±0.05pF (W)	GJM0335C1E2R0WB01D	GJM1555C1H2R0WB01D
	±0.1pF (B)	GJM0335C1E2R0BB01D	GJM1555C1H2R0BB01D
	±0.25pF (C)	GJM0335C1E2R0CB01D	GJM1555C1H2R0CB01D
2.1pF (2R1)	±0.05pF (W)	GJM0335C1E2R1WB01D	GJM1555C1H2R1WB01D
	±0.1pF (B)	GJM0335C1E2R1BB01D	GJM1555C1H2R1BB01D
	±0.25pF (C)	GJM0335C1E2R1CB01D	GJM1555C1H2R1CB01D
2.2pF (2R2)	±0.05pF (W)	GJM0335C1E2R2WB01D	GJM1555C1H2R2WB01D
	±0.1pF (B)	GJM0335C1E2R2BB01D	GJM1555C1H2R2BB01D
	±0.25pF (C)	GJM0335C1E2R2CB01D	GJM1555C1H2R2CB01D
2.3pF (2R3)	±0.05pF (W)	GJM0335C1E2R3WB01D	GJM1555C1H2R3WB01D
	±0.1pF (B)	GJM0335C1E2R3BB01D	GJM1555C1H2R3BB01D
	±0.25pF (C)	GJM0335C1E2R3CB01D	GJM1555C1H2R3CB01D
2.4pF (2R4)	±0.05pF (W)	GJM0335C1E2R4WB01D	GJM1555C1H2R4WB01D
	±0.1pF (B)	GJM0335C1E2R4BB01D	GJM1555C1H2R4BB01D
	±0.25pF (C)	GJM0335C1E2R4CB01D	GJM1555C1H2R4CB01D
2.5pF (2R5)	±0.05pF (W)	GJM0335C1E2R5WB01D	GJM1555C1H2R5WB01D
	±0.1pF (B)	GJM0335C1E2R5BB01D	GJM1555C1H2R5BB01D
	±0.25pF (C)	GJM0335C1E2R5CB01D	GJM1555C1H2R5CB01D
2.6pF (2R6)	±0.05pF (W)	GJM0335C1E2R6WB01D	GJM1555C1H2R6WB01D
	±0.1pF (B)	GJM0335C1E2R6BB01D	GJM1555C1H2R6BB01D
	±0.25pF (C)	GJM0335C1E2R6CB01D	GJM1555C1H2R6CB01D
2.7pF (2R7)	±0.05pF (W)	GJM0335C1E2R7WB01D	GJM1555C1H2R7WB01D
	±0.1pF (B)	GJM0335C1E2R7BB01D	GJM1555C1H2R7BB01D
	±0.25pF (C)	GJM0335C1E2R7CB01D	GJM1555C1H2R7CB01D
2.8pF (2R8)	±0.05pF (W)	GJM0335C1E2R8WB01D	GJM1555C1H2R8WB01D
	±0.1pF (B)	GJM0335C1E2R8BB01D	GJM1555C1H2R8BB01D
	±0.25pF (C)	GJM0335C1E2R8CB01D	GJM1555C1H2R8CB01D
2.9pF (2R9)	±0.05pF (W)	GJM0335C1E2R9WB01D	GJM1555C1H2R9WB01D
	±0.1pF (B)	GJM0335C1E2R9BB01D	GJM1555C1H2R9BB01D
	±0.25pF (C)	GJM0335C1E2R9CB01D	GJM1555C1H2R9CB01D
3.0pF (3R0)	±0.05pF (W)	GJM0335C1E3R0WB01D	GJM1555C1H3R0WB01D
	±0.1pF (B)	GJM0335C1E3R0BB01D	GJM1555C1H3R0BB01D
	±0.25pF (C)	GJM0335C1E3R0CB01D	GJM1555C1H3R0CB01D
3.1pF (3R1)	±0.05pF (W)	GJM0335C1E3R1WB01D	GJM1555C1H3R1WB01D
	±0.1pF (B)	GJM0335C1E3R1BB01D	GJM1555C1H3R1BB01D
	±0.25pF (C)	GJM0335C1E3R1CB01D	GJM1555C1H3R1CB01D
3.2pF (3R2)	±0.05pF (W)	GJM0335C1E3R2WB01D	GJM1555C1H3R2WB01D
	±0.1pF (B)	GJM0335C1E3R2BB01D	GJM1555C1H3R2BB01D
	±0.25pF (C)	GJM0335C1E3R2CB01D	GJM1555C1H3R2CB01D
3.3pF (3R3)	±0.05pF (W)	GJM0335C1E3R3WB01D	GJM1555C1H3R3WB01D
	±0.1pF (B)	GJM0335C1E3R3BB01D	GJM1555C1H3R3BB01D
	±0.25pF (C)	GJM0335C1E3R3CB01D	GJM1555C1H3R3CB01D
3.4pF (3R4)	±0.05pF (W)	GJM0335C1E3R4WB01D	GJM1555C1H3R4WB01D
	±0.1pF (B)	GJM0335C1E3R4BB01D	GJM1555C1H3R4BB01D
	±0.25pF (C)	GJM0335C1E3R4CB01D	GJM1555C1H3R4CB01D
3.5pF (3R5)	±0.05pF (W)	GJM0335C1E3R5WB01D	GJM1555C1H3R5WB01D
	±0.1pF (B)	GJM0335C1E3R5BB01D	GJM1555C1H3R5BB01D
	±0.25pF (C)	GJM0335C1E3R5CB01D	GJM1555C1H3R5CB01D

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

(Part Number) **GJ M 03 3 5C 1E 2R0 W B01 D** ①Product ID ②Series ③Dimensions (LxW) ④Dimension (T)
 ⑤Temperature Characteristics ⑥Rated Voltage ⑦Capacitance
 ⑧Capacitance Tolerance ⑨Individual Specification Code ⑩Packaging

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

Temperature Compensating Type C0G(5C) Characteristics

LxW [mm]		0.6x0.3(03)<0201>	1.0x0.5(15)<0402>
Rated Volt. [Vdc]		25(1E)	50(1H)
Capacitance	Tolerance	Part Number	
3.6p F (3R6)	±0.05p F (W)	GJM0335C1E3R6WB01D	GJM1555C1H3R6WB01D
	±0.1p F (B)	GJM0335C1E3R6BB01D	GJM1555C1H3R6BB01D
	±0.25p F (C)	GJM0335C1E3R6CB01D	GJM1555C1H3R6CB01D
3.7p F (3R7)	±0.05p F (W)	GJM0335C1E3R7WB01D	GJM1555C1H3R7WB01D
	±0.1p F (B)	GJM0335C1E3R7BB01D	GJM1555C1H3R7BB01D
	±0.25p F (C)	GJM0335C1E3R7CB01D	GJM1555C1H3R7CB01D
3.8p F (3R8)	±0.05p F (W)	GJM0335C1E3R8WB01D	GJM1555C1H3R8WB01D
	±0.1p F (B)	GJM0335C1E3R8BB01D	GJM1555C1H3R8BB01D
	±0.25p F (C)	GJM0335C1E3R8CB01D	GJM1555C1H3R8CB01D
3.9p F (3R9)	±0.05p F (W)	GJM0335C1E3R9WB01D	GJM1555C1H3R9WB01D
	±0.1p F (B)	GJM0335C1E3R9BB01D	GJM1555C1H3R9BB01D
	±0.25p F (C)	GJM0335C1E3R9CB01D	GJM1555C1H3R9CB01D
4.0p F (4R0)	±0.05p F (W)	GJM0335C1E4R0WB01D	GJM1555C1H4R0WB01D
	±0.1p F (B)	GJM0335C1E4R0BB01D	GJM1555C1H4R0BB01D
	±0.25p F (C)	GJM0335C1E4R0CB01D	GJM1555C1H4R0CB01D
4.1p F (4R1)	±0.05p F (W)	GJM0335C1E4R1WB01D	GJM1555C1H4R1WB01D
	±0.1p F (B)	GJM0335C1E4R1BB01D	GJM1555C1H4R1BB01D
	±0.25p F (C)	GJM0335C1E4R1CB01D	GJM1555C1H4R1CB01D
4.2p F (4R2)	±0.05p F (W)	GJM0335C1E4R2WB01D	GJM1555C1H4R2WB01D
	±0.1p F (B)	GJM0335C1E4R2BB01D	GJM1555C1H4R2BB01D
	±0.25p F (C)	GJM0335C1E4R2CB01D	GJM1555C1H4R2CB01D
4.3p F (4R3)	±0.05p F (W)	GJM0335C1E4R3WB01D	GJM1555C1H4R3WB01D
	±0.1p F (B)	GJM0335C1E4R3BB01D	GJM1555C1H4R3BB01D
	±0.25p F (C)	GJM0335C1E4R3CB01D	GJM1555C1H4R3CB01D
4.4p F (4R4)	±0.05p F (W)	GJM0335C1E4R4WB01D	GJM1555C1H4R4WB01D
	±0.1p F (B)	GJM0335C1E4R4BB01D	GJM1555C1H4R4BB01D
	±0.25p F (C)	GJM0335C1E4R4CB01D	GJM1555C1H4R4CB01D
4.5p F (4R5)	±0.05p F (W)	GJM0335C1E4R5WB01D	GJM1555C1H4R5WB01D
	±0.1p F (B)	GJM0335C1E4R5BB01D	GJM1555C1H4R5BB01D
	±0.25p F (C)	GJM0335C1E4R5CB01D	GJM1555C1H4R5CB01D
4.6p F (4R6)	±0.05p F (W)	GJM0335C1E4R6WB01D	GJM1555C1H4R6WB01D
	±0.1p F (B)	GJM0335C1E4R6BB01D	GJM1555C1H4R6BB01D
	±0.25p F (C)	GJM0335C1E4R6CB01D	GJM1555C1H4R6CB01D
4.7p F (4R7)	±0.05p F (W)	GJM0335C1E4R7WB01D	GJM1555C1H4R7WB01D
	±0.1p F (B)	GJM0335C1E4R7BB01D	GJM1555C1H4R7BB01D
	±0.25p F (C)	GJM0335C1E4R7CB01D	GJM1555C1H4R7CB01D
4.8p F (4R8)	±0.05p F (W)	GJM0335C1E4R8WB01D	GJM1555C1H4R8WB01D
	±0.1p F (B)	GJM0335C1E4R8BB01D	GJM1555C1H4R8BB01D
	±0.25p F (C)	GJM0335C1E4R8CB01D	GJM1555C1H4R8CB01D
4.9p F (4R9)	±0.05p F (W)	GJM0335C1E4R9WB01D	GJM1555C1H4R9WB01D
	±0.1p F (B)	GJM0335C1E4R9BB01D	GJM1555C1H4R9BB01D
	±0.25p F (C)	GJM0335C1E4R9CB01D	GJM1555C1H4R9CB01D
5.0p F (5R0)	±0.05p F (W)	GJM0335C1E5R0WB01D	GJM1555C1H5R0WB01D
	±0.1p F (B)	GJM0335C1E5R0BB01D	GJM1555C1H5R0BB01D
	±0.25p F (C)	GJM0335C1E5R0CB01D	GJM1555C1H5R0CB01D
5.1p F (5R1)	±0.05p F (W)	GJM0335C1E5R1WB01D	GJM1555C1H5R1WB01D
	±0.1p F (B)	GJM0335C1E5R1BB01D	GJM1555C1H5R1BB01D
	±0.25p F (C)	GJM0335C1E5R1CB01D	GJM1555C1H5R1CB01D
	±0.5p F (D)	GJM0335C1E5R1DB01D	GJM1555C1H5R1DB01D

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]		0.6x0.3(03)<0201>	1.0x0.5(15)<0402>
Rated Volt. [Vdc]		25(1E)	50(1H)
Capacitance	Tolerance	Part Number	
5.2pF (5R2)	±0.05pF (W)	GJM0335C1E5R2WB01D	GJM1555C1H5R2WB01D
	±0.1pF (B)	GJM0335C1E5R2BB01D	GJM1555C1H5R2BB01D
	±0.25pF (C)	GJM0335C1E5R2CB01D	GJM1555C1H5R2CB01D
	±0.5pF (D)	GJM0335C1E5R2DB01D	GJM1555C1H5R2DB01D
5.3pF (5R3)	±0.05pF (W)	GJM0335C1E5R3WB01D	GJM1555C1H5R3WB01D
	±0.1pF (B)	GJM0335C1E5R3BB01D	GJM1555C1H5R3BB01D
	±0.25pF (C)	GJM0335C1E5R3CB01D	GJM1555C1H5R3CB01D
	±0.5pF (D)	GJM0335C1E5R3DB01D	GJM1555C1H5R3DB01D
5.4pF (5R4)	±0.05pF (W)	GJM0335C1E5R4WB01D	GJM1555C1H5R4WB01D
	±0.1pF (B)	GJM0335C1E5R4BB01D	GJM1555C1H5R4BB01D
	±0.25pF (C)	GJM0335C1E5R4CB01D	GJM1555C1H5R4CB01D
	±0.5pF (D)	GJM0335C1E5R4DB01D	GJM1555C1H5R4DB01D
5.5pF (5R5)	±0.05pF (W)	GJM0335C1E5R5WB01D	GJM1555C1H5R5WB01D
	±0.1pF (B)	GJM0335C1E5R5BB01D	GJM1555C1H5R5BB01D
	±0.25pF (C)	GJM0335C1E5R5CB01D	GJM1555C1H5R5CB01D
	±0.5pF (D)	GJM0335C1E5R5DB01D	GJM1555C1H5R5DB01D
5.6pF (5R6)	±0.05pF (W)	GJM0335C1E5R6WB01D	GJM1555C1H5R6WB01D
	±0.1pF (B)	GJM0335C1E5R6BB01D	GJM1555C1H5R6BB01D
	±0.25pF (C)	GJM0335C1E5R6CB01D	GJM1555C1H5R6CB01D
	±0.5pF (D)	GJM0335C1E5R6DB01D	GJM1555C1H5R6DB01D
5.7pF (5R7)	±0.05pF (W)	GJM0335C1E5R7WB01D	GJM1555C1H5R7WB01D
	±0.1pF (B)	GJM0335C1E5R7BB01D	GJM1555C1H5R7BB01D
	±0.25pF (C)	GJM0335C1E5R7CB01D	GJM1555C1H5R7CB01D
	±0.5pF (D)	GJM0335C1E5R7DB01D	GJM1555C1H5R7DB01D
5.8pF (5R8)	±0.05pF (W)	GJM0335C1E5R8WB01D	GJM1555C1H5R8WB01D
	±0.1pF (B)	GJM0335C1E5R8BB01D	GJM1555C1H5R8BB01D
	±0.25pF (C)	GJM0335C1E5R8CB01D	GJM1555C1H5R8CB01D
	±0.5pF (D)	GJM0335C1E5R8DB01D	GJM1555C1H5R8DB01D
5.9pF (5R9)	±0.05pF (W)	GJM0335C1E5R9WB01D	GJM1555C1H5R9WB01D
	±0.1pF (B)	GJM0335C1E5R9BB01D	GJM1555C1H5R9BB01D
	±0.25pF (C)	GJM0335C1E5R9CB01D	GJM1555C1H5R9CB01D
	±0.5pF (D)	GJM0335C1E5R9DB01D	GJM1555C1H5R9DB01D
6.0pF (6R0)	±0.05pF (W)	GJM0335C1E6R0WB01D	GJM1555C1H6R0WB01D
	±0.1pF (B)	GJM0335C1E6R0BB01D	GJM1555C1H6R0BB01D
	±0.25pF (C)	GJM0335C1E6R0CB01D	GJM1555C1H6R0CB01D
	±0.5pF (D)	GJM0335C1E6R0DB01D	GJM1555C1H6R0DB01D
6.1pF (6R1)	±0.05pF (W)	GJM0335C1E6R1WB01D	GJM1555C1H6R1WB01D
	±0.1pF (B)	GJM0335C1E6R1BB01D	GJM1555C1H6R1BB01D
	±0.25pF (C)	GJM0335C1E6R1CB01D	GJM1555C1H6R1CB01D
	±0.5pF (D)	GJM0335C1E6R1DB01D	GJM1555C1H6R1DB01D
6.2pF (6R2)	±0.05pF (W)	GJM0335C1E6R2WB01D	GJM1555C1H6R2WB01D
	±0.1pF (B)	GJM0335C1E6R2BB01D	GJM1555C1H6R2BB01D
	±0.25pF (C)	GJM0335C1E6R2CB01D	GJM1555C1H6R2CB01D
	±0.5pF (D)	GJM0335C1E6R2DB01D	GJM1555C1H6R2DB01D
6.3pF (6R3)	±0.05pF (W)	GJM0335C1E6R3WB01D	GJM1555C1H6R3WB01D
	±0.1pF (B)	GJM0335C1E6R3BB01D	GJM1555C1H6R3BB01D
	±0.25pF (C)	GJM0335C1E6R3CB01D	GJM1555C1H6R3CB01D
	±0.5pF (D)	GJM0335C1E6R3DB01D	GJM1555C1H6R3DB01D

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

(Part Number) **GJ M 03 3 5C 1E 5R2 W B01 D** ①Product ID ②Series ③Dimensions (LxW) ④Dimension (T)
 ⑤Temperature Characteristics ⑥Rated Voltage ⑦Capacitance
 ⑧Capacitance Tolerance ⑨Individual Specification Code ⑩Packaging

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

Temperature Compensating Type C0G(5C)/C0H(6C) Characteristics

LxW [mm]		0.6x0.3(03)<0201>	1.0x0.5(15)<0402>
Rated Volt. [Vdc]		25(1E)	50(1H)
Capacitance	Tolerance	Part Number	
6.4pF (6R4)	±0.05pF (W)	GJM0335C1E6R4WB01D	GJM1555C1H6R4WB01D
	±0.1pF (B)	GJM0335C1E6R4BB01D	GJM1555C1H6R4BB01D
	±0.25pF (C)	GJM0335C1E6R4CB01D	GJM1555C1H6R4CB01D
	±0.5pF (D)	GJM0335C1E6R4DB01D	GJM1555C1H6R4DB01D
6.5pF (6R5)	±0.05pF (W)	GJM0335C1E6R5WB01D	GJM1555C1H6R5WB01D
	±0.1pF (B)	GJM0335C1E6R5BB01D	GJM1555C1H6R5BB01D
	±0.25pF (C)	GJM0335C1E6R5CB01D	GJM1555C1H6R5CB01D
	±0.5pF (D)	GJM0335C1E6R5DB01D	GJM1555C1H6R5DB01D
6.6pF (6R6)	±0.05pF (W)	GJM0335C1E6R6WB01D	GJM1555C1H6R6WB01D
	±0.1pF (B)	GJM0335C1E6R6BB01D	GJM1555C1H6R6BB01D
	±0.25pF (C)	GJM0335C1E6R6CB01D	GJM1555C1H6R6CB01D
	±0.5pF (D)	GJM0335C1E6R6DB01D	GJM1555C1H6R6DB01D
6.7pF (6R7)	±0.05pF (W)	GJM0335C1E6R7WB01D	GJM1555C1H6R7WB01D
	±0.1pF (B)	GJM0335C1E6R7BB01D	GJM1555C1H6R7BB01D
	±0.25pF (C)	GJM0335C1E6R7CB01D	GJM1555C1H6R7CB01D
	±0.5pF (D)	GJM0335C1E6R7DB01D	GJM1555C1H6R7DB01D
6.8pF (6R8)	±0.05pF (W)	GJM0335C1E6R8WB01D	GJM1555C1H6R8WB01D
	±0.1pF (B)	GJM0335C1E6R8BB01D	GJM1555C1H6R8BB01D
	±0.25pF (C)	GJM0335C1E6R8CB01D	GJM1555C1H6R8CB01D
	±0.5pF (D)	GJM0335C1E6R8DB01D	GJM1555C1H6R8DB01D
6.9pF (6R9)	±0.05pF (W)	GJM0336C1E6R9WB01D	GJM1555C1H6R9WB01D
	±0.1pF (B)	GJM0336C1E6R9BB01D	GJM1555C1H6R9BB01D
	±0.25pF (C)	GJM0336C1E6R9CB01D	GJM1555C1H6R9CB01D
	±0.5pF (D)	GJM0336C1E6R9DB01D	GJM1555C1H6R9DB01D
7.0pF (7R0)	±0.05pF (W)	GJM0336C1E7R0WB01D	GJM1555C1H7R0WB01D
	±0.1pF (B)	GJM0336C1E7R0BB01D	GJM1555C1H7R0BB01D
	±0.25pF (C)	GJM0336C1E7R0CB01D	GJM1555C1H7R0CB01D
	±0.5pF (D)	GJM0336C1E7R0DB01D	GJM1555C1H7R0DB01D
7.1pF (7R1)	±0.05pF (W)	GJM0336C1E7R1WB01D	GJM1555C1H7R1WB01D
	±0.1pF (B)	GJM0336C1E7R1BB01D	GJM1555C1H7R1BB01D
	±0.25pF (C)	GJM0336C1E7R1CB01D	GJM1555C1H7R1CB01D
	±0.5pF (D)	GJM0336C1E7R1DB01D	GJM1555C1H7R1DB01D
7.2pF (7R2)	±0.05pF (W)	GJM0336C1E7R2WB01D	GJM1555C1H7R2WB01D
	±0.1pF (B)	GJM0336C1E7R2BB01D	GJM1555C1H7R2BB01D
	±0.25pF (C)	GJM0336C1E7R2CB01D	GJM1555C1H7R2CB01D
	±0.5pF (D)	GJM0336C1E7R2DB01D	GJM1555C1H7R2DB01D
7.3pF (7R3)	±0.05pF (W)	GJM0336C1E7R3WB01D	GJM1555C1H7R3WB01D
	±0.1pF (B)	GJM0336C1E7R3BB01D	GJM1555C1H7R3BB01D
	±0.25pF (C)	GJM0336C1E7R3CB01D	GJM1555C1H7R3CB01D
	±0.5pF (D)	GJM0336C1E7R3DB01D	GJM1555C1H7R3DB01D
7.4pF (7R4)	±0.05pF (W)	GJM0336C1E7R4WB01D	GJM1555C1H7R4WB01D
	±0.1pF (B)	GJM0336C1E7R4BB01D	GJM1555C1H7R4BB01D
	±0.25pF (C)	GJM0336C1E7R4CB01D	GJM1555C1H7R4CB01D
	±0.5pF (D)	GJM0336C1E7R4DB01D	GJM1555C1H7R4DB01D
7.5pF (7R5)	±0.05pF (W)	GJM0336C1E7R5WB01D	GJM1555C1H7R5WB01D
	±0.1pF (B)	GJM0336C1E7R5BB01D	GJM1555C1H7R5BB01D
	±0.25pF (C)	GJM0336C1E7R5CB01D	GJM1555C1H7R5CB01D
	±0.5pF (D)	GJM0336C1E7R5DB01D	GJM1555C1H7R5DB01D
7.6pF (7R6)	±0.05pF (W)	GJM0336C1E7R6WB01D	GJM1555C1H7R6WB01D
	±0.1pF (B)	GJM0336C1E7R6BB01D	GJM1555C1H7R6BB01D
	±0.25pF (C)	GJM0336C1E7R6CB01D	GJM1555C1H7R6CB01D
	±0.5pF (D)	GJM0336C1E7R6DB01D	GJM1555C1H7R6DB01D

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)/C0H(6C) Characteristics

LxW [mm]		0.6x0.3(03)<0201>		1.0x0.5(15)<0402>	
Rated Volt. [Vdc]		25(1E)		50(1H)	
Capacitance	Tolerance	Part Number			
7.7p F (7R7)	±0.05p F (W)	GJM0336C1E7R7WB01D	GJM1555C1H7R7WB01D		
	±0.1p F (B)	GJM0336C1E7R7BB01D	GJM1555C1H7R7BB01D		
	±0.25p F (C)	GJM0336C1E7R7CB01D	GJM1555C1H7R7CB01D		
	±0.5p F (D)	GJM0336C1E7R7DB01D	GJM1555C1H7R7DB01D		
7.8p F (7R8)	±0.05p F (W)	GJM0336C1E7R8WB01D	GJM1555C1H7R8WB01D		
	±0.1p F (B)	GJM0336C1E7R8BB01D	GJM1555C1H7R8BB01D		
	±0.25p F (C)	GJM0336C1E7R8CB01D	GJM1555C1H7R8CB01D		
	±0.5p F (D)	GJM0336C1E7R8DB01D	GJM1555C1H7R8DB01D		
7.9p F (7R9)	±0.05p F (W)	GJM0336C1E7R9WB01D	GJM1555C1H7R9WB01D		
	±0.1p F (B)	GJM0336C1E7R9BB01D	GJM1555C1H7R9BB01D		
	±0.25p F (C)	GJM0336C1E7R9CB01D	GJM1555C1H7R9CB01D		
	±0.5p F (D)	GJM0336C1E7R9DB01D	GJM1555C1H7R9DB01D		
8.0p F (8R0)	±0.05p F (W)	GJM0336C1E8R0WB01D	GJM1555C1H8R0WB01D		
	±0.1p F (B)	GJM0336C1E8R0BB01D	GJM1555C1H8R0BB01D		
	±0.25p F (C)	GJM0336C1E8R0CB01D	GJM1555C1H8R0CB01D		
	±0.5p F (D)	GJM0336C1E8R0DB01D	GJM1555C1H8R0DB01D		
8.1p F (8R1)	±0.05p F (W)	GJM0336C1E8R1WB01D	GJM1555C1H8R1WB01D		
	±0.1p F (B)	GJM0336C1E8R1BB01D	GJM1555C1H8R1BB01D		
	±0.25p F (C)	GJM0336C1E8R1CB01D	GJM1555C1H8R1CB01D		
	±0.5p F (D)	GJM0336C1E8R1DB01D	GJM1555C1H8R1DB01D		
8.2p F (8R2)	±0.05p F (W)	GJM0336C1E8R2WB01D	GJM1555C1H8R2WB01D		
	±0.1p F (B)	GJM0336C1E8R2BB01D	GJM1555C1H8R2BB01D		
	±0.25p F (C)	GJM0336C1E8R2CB01D	GJM1555C1H8R2CB01D		
	±0.5p F (D)	GJM0336C1E8R2DB01D	GJM1555C1H8R2DB01D		
8.3p F (8R3)	±0.05p F (W)	GJM0336C1E8R3WB01D	GJM1555C1H8R3WB01D		
	±0.1p F (B)	GJM0336C1E8R3BB01D	GJM1555C1H8R3BB01D		
	±0.25p F (C)	GJM0336C1E8R3CB01D	GJM1555C1H8R3CB01D		
	±0.5p F (D)	GJM0336C1E8R3DB01D	GJM1555C1H8R3DB01D		
8.4p F (8R4)	±0.05p F (W)	GJM0336C1E8R4WB01D	GJM1555C1H8R4WB01D		
	±0.1p F (B)	GJM0336C1E8R4BB01D	GJM1555C1H8R4BB01D		
	±0.25p F (C)	GJM0336C1E8R4CB01D	GJM1555C1H8R4CB01D		
	±0.5p F (D)	GJM0336C1E8R4DB01D	GJM1555C1H8R4DB01D		
8.5p F (8R5)	±0.05p F (W)	GJM0336C1E8R5WB01D	GJM1555C1H8R5WB01D		
	±0.1p F (B)	GJM0336C1E8R5BB01D	GJM1555C1H8R5BB01D		
	±0.25p F (C)	GJM0336C1E8R5CB01D	GJM1555C1H8R5CB01D		
	±0.5p F (D)	GJM0336C1E8R5DB01D	GJM1555C1H8R5DB01D		
8.6p F (8R6)	±0.05p F (W)	GJM0336C1E8R6WB01D	GJM1555C1H8R6WB01D		
	±0.1p F (B)	GJM0336C1E8R6BB01D	GJM1555C1H8R6BB01D		
	±0.25p F (C)	GJM0336C1E8R6CB01D	GJM1555C1H8R6CB01D		
	±0.5p F (D)	GJM0336C1E8R6DB01D	GJM1555C1H8R6DB01D		
8.7p F (8R7)	±0.05p F (W)	GJM0336C1E8R7WB01D	GJM1555C1H8R7WB01D		
	±0.1p F (B)	GJM0336C1E8R7BB01D	GJM1555C1H8R7BB01D		
	±0.25p F (C)	GJM0336C1E8R7CB01D	GJM1555C1H8R7CB01D		
	±0.5p F (D)	GJM0336C1E8R7DB01D	GJM1555C1H8R7DB01D		
8.8p F (8R8)	±0.05p F (W)	GJM0336C1E8R8WB01D	GJM1555C1H8R8WB01D		
	±0.1p F (B)	GJM0336C1E8R8BB01D	GJM1555C1H8R8BB01D		
	±0.25p F (C)	GJM0336C1E8R8CB01D	GJM1555C1H8R8CB01D		
	±0.5p F (D)	GJM0336C1E8R8DB01D	GJM1555C1H8R8DB01D		

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

- (Part Number) **GJ M 03 3 6C 1E 7R7 W B01 D**
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|---|---|---|---|---|---|---|---|---|---|---|
| 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.

Temperature Compensating Type C0G(5C)/C0H(6C) Characteristics

LxW [mm]		0.6x0.3(03)<0201>	1.0x0.5(15)<0402>
Rated Volt. [Vdc]		25(1E)	50(1H)
Capacitance	Tolerance	Part Number	
8.9p F (8R9)	±0.05p F (W)	GJM0336C1E8R9WB01D	GJM1555C1H8R9WB01D
	±0.1p F (B)	GJM0336C1E8R9BB01D	GJM1555C1H8R9BB01D
	±0.25p F (C)	GJM0336C1E8R9CB01D	GJM1555C1H8R9CB01D
	±0.5p F (D)	GJM0336C1E8R9DB01D	GJM1555C1H8R9DB01D
9.0p F (9R0)	±0.05p F (W)	GJM0336C1E9R0WB01D	GJM1555C1H9R0WB01D
	±0.1p F (B)	GJM0336C1E9R0BB01D	GJM1555C1H9R0BB01D
	±0.25p F (C)	GJM0336C1E9R0CB01D	GJM1555C1H9R0CB01D
	±0.5p F (D)	GJM0336C1E9R0DB01D	GJM1555C1H9R0DB01D
9.1p F (9R1)	±0.05p F (W)	GJM0336C1E9R1WB01D	GJM1555C1H9R1WB01D
	±0.1p F (B)	GJM0336C1E9R1BB01D	GJM1555C1H9R1BB01D
	±0.25p F (C)	GJM0336C1E9R1CB01D	GJM1555C1H9R1CB01D
	±0.5p F (D)	GJM0336C1E9R1DB01D	GJM1555C1H9R1DB01D
9.2p F (9R2)	±0.05p F (W)	GJM0336C1E9R2WB01D	GJM1555C1H9R2WB01D
	±0.1p F (B)	GJM0336C1E9R2BB01D	GJM1555C1H9R2BB01D
	±0.25p F (C)	GJM0336C1E9R2CB01D	GJM1555C1H9R2CB01D
	±0.5p F (D)	GJM0336C1E9R2DB01D	GJM1555C1H9R2DB01D
9.3p F (9R3)	±0.05p F (W)	GJM0336C1E9R3WB01D	GJM1555C1H9R3WB01D
	±0.1p F (B)	GJM0336C1E9R3BB01D	GJM1555C1H9R3BB01D
	±0.25p F (C)	GJM0336C1E9R3CB01D	GJM1555C1H9R3CB01D
	±0.5p F (D)	GJM0336C1E9R3DB01D	GJM1555C1H9R3DB01D
9.4p F (9R4)	±0.05p F (W)	GJM0336C1E9R4WB01D	GJM1555C1H9R4WB01D
	±0.1p F (B)	GJM0336C1E9R4BB01D	GJM1555C1H9R4BB01D
	±0.25p F (C)	GJM0336C1E9R4CB01D	GJM1555C1H9R4CB01D
	±0.5p F (D)	GJM0336C1E9R4DB01D	GJM1555C1H9R4DB01D
9.5p F (9R5)	±0.05p F (W)	GJM0336C1E9R5WB01D	GJM1555C1H9R5WB01D
	±0.1p F (B)	GJM0336C1E9R5BB01D	GJM1555C1H9R5BB01D
	±0.25p F (C)	GJM0336C1E9R5CB01D	GJM1555C1H9R5CB01D
	±0.5p F (D)	GJM0336C1E9R5DB01D	GJM1555C1H9R5DB01D
9.6p F (9R6)	±0.05p F (W)	GJM0336C1E9R6WB01D	GJM1555C1H9R6WB01D
	±0.1p F (B)	GJM0336C1E9R6BB01D	GJM1555C1H9R6BB01D
	±0.25p F (C)	GJM0336C1E9R6CB01D	GJM1555C1H9R6CB01D
	±0.5p F (D)	GJM0336C1E9R6DB01D	GJM1555C1H9R6DB01D
9.7p F (9R7)	±0.05p F (W)	GJM0336C1E9R7WB01D	GJM1555C1H9R7WB01D
	±0.1p F (B)	GJM0336C1E9R7BB01D	GJM1555C1H9R7BB01D
	±0.25p F (C)	GJM0336C1E9R7CB01D	GJM1555C1H9R7CB01D
	±0.5p F (D)	GJM0336C1E9R7DB01D	GJM1555C1H9R7DB01D
9.8p F (9R8)	±0.05p F (W)	GJM0336C1E9R8WB01D	GJM1555C1H9R8WB01D
	±0.1p F (B)	GJM0336C1E9R8BB01D	GJM1555C1H9R8BB01D
	±0.25p F (C)	GJM0336C1E9R8CB01D	GJM1555C1H9R8CB01D
	±0.5p F (D)	GJM0336C1E9R8DB01D	GJM1555C1H9R8DB01D
9.9p F (9R9)	±0.05p F (W)	GJM0336C1E9R9WB01D	GJM1555C1H9R9WB01D
	±0.1p F (B)	GJM0336C1E9R9BB01D	GJM1555C1H9R9BB01D
	±0.25p F (C)	GJM0336C1E9R9CB01D	GJM1555C1H9R9CB01D
	±0.5p F (D)	GJM0336C1E9R9DB01D	GJM1555C1H9R9DB01D

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)/C0H(6C) Characteristics

LxW [mm]		0.6x0.3(03)<0201>		1.0x0.5(15)<0402>
Rated Volt. [Vdc]		25(1E)	6.3(0J)	50(1H)
Capacitance	Tolerance	Part Number		
10p F (100)	±2% (G)	GJM0336C1E100GB01D		GJM1555C1H100GB01D
	±5% (J)	GJM0336C1E100JB01D		GJM1555C1H100JB01D
11p F (110)	±2% (G)	GJM0336C1E110GB01D		GJM1555C1H110GB01D
	±5% (J)	GJM0336C1E110JB01D		GJM1555C1H110JB01D
12p F (120)	±2% (G)	GJM0336C1E120GB01D		GJM1555C1H120GB01D
	±5% (J)	GJM0336C1E120JB01D		GJM1555C1H120JB01D
13p F (130)	±2% (G)	GJM0336C1E130GB01D		GJM1555C1H130GB01D
	±5% (J)	GJM0336C1E130JB01D		GJM1555C1H130JB01D
15p F (150)	±2% (G)	GJM0336C1E150GB01D		GJM1555C1H150GB01D
	±5% (J)	GJM0336C1E150JB01D		GJM1555C1H150JB01D
16p F (160)	±2% (G)	GJM0336C1E160GB01D		GJM1555C1H160GB01D
	±5% (J)	GJM0336C1E160JB01D		GJM1555C1H160JB01D
18p F (180)	±2% (G)	GJM0336C1E180GB01D		GJM1555C1H180GB01D
	±5% (J)	GJM0336C1E180JB01D		GJM1555C1H180JB01D
20p F (200)	±2% (G)	GJM0336C1E200GB01D		GJM1555C1H200GB01D
	±5% (J)	GJM0336C1E200JB01D		GJM1555C1H200JB01D
22p F (220)	±2% (G)		GJM0335C0J220GB01D	
	±5% (J)		GJM0335C0J220JB01D	
24p F (240)	±2% (G)		GJM0335C0J240GB01D	
	±5% (J)		GJM0335C0J240JB01D	
27p F (270)	±2% (G)		GJM0335C0J270GB01D	
	±5% (J)		GJM0335C0J270JB01D	
30p F (300)	±2% (G)		GJM0335C0J300GB01D	
	±5% (J)		GJM0335C0J300JB01D	
33p F (330)	±2% (G)		GJM0335C0J330GB01D	
	±5% (J)		GJM0335C0J330JB01D	

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

(Part Number) **GJ** **M** **03** **3** **6C** **1E** **100** **G** **B01** **D**
 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.

GJM Series Specifications and Test Methods

No.	Item	Specifications		Test Method				
		Temperature Compensating Type						
1	Operating Temperature Range	-55 to +125°C		Reference Temperature: 25°C (2C, 3C, 4C: 20°C)				
2	Rated Voltage	See the previous pages.		The rated voltage is defined as the maximum voltage that may be applied continuously to the capacitor. When AC voltage is superimposed on DC voltage, V^{P-P} or V^{O-P} , whichever is larger, should be maintained within the rated voltage range.				
3	Appearance	No defects or abnormalities		Visual inspection				
4	Dimensions	Within the specified dimensions		Using calipers				
5	Dielectric Strength	No defects or abnormalities		No failure should be observed when 300% of the rated voltage is applied between the terminations for 1 to 5 seconds, provided the charge/discharge current is less than 50mA.				
6	Insulation Resistance (I.R.)	10,000MΩ min. or 500Ω · F min. (whichever is smaller)		The insulation resistance should be measured with a DC voltage not exceeding the rated voltage at 25°C and 75%RH max. and within 2 minutes of charging.				
7	Capacitance	Within the specified tolerance		The capacitance/Q should be measured at 25°C at the frequency and voltage shown in the table.				
8	Q	30pF and over: $Q \geq 1000$ 30pF and below: $Q \geq 400 + 20C$ C: Nominal Capacitance (pF)		<table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>Frequency</td> <td>1±0.1MHz</td> </tr> <tr> <td>Voltage</td> <td>0.5 to 5Vrms</td> </tr> </table>	Frequency	1±0.1MHz	Voltage	0.5 to 5Vrms
Frequency	1±0.1MHz							
Voltage	0.5 to 5Vrms							
9	Capacitance Temperature Characteristics	Temperature Coefficient	Within the specified tolerance (Table A)	The capacitance change should be measured after 5 min. at each specified temperature stage. Temperature Compensating Type The temperature coefficient is determined using the capacitance measured in step 3 as a reference. When cycling the temperature sequentially from step 1 through 5, (5C: +25 to 125°C: other temp. coeffs.: +20 to 125°C) the capacitance should be within the specified tolerance for the temperature coefficient and capacitance change as in Table A. The capacitance drift is calculated by dividing the differences between the maximum and minimum measured values in steps 1, 3 and 5 by the capacitance value in step 3.				
		Capacitance Drift	Within ±0.2% or ±0.05pF (whichever is larger.)					
10	Adhesive Strength of Termination	No removal of the terminations or other defect should occur.		Solder the capacitor to the test jig (glass epoxy board) shown in Fig. 1 using a eutectic solder. Then apply a 5N* force in parallel with the test jig for 10±1 sec. The soldering should be done either with an iron or using the reflow method and should be conducted with care so that the soldering is uniform and free of defects such as heat shock. *2N (GJM03)				

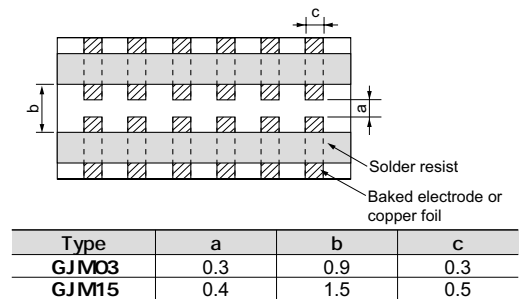


Fig. 1

Continued on the following page.

For General GRM Series

Array GNM Series

Low ESL LL Series

High-Q GJM Series

High Frequency GQM Series

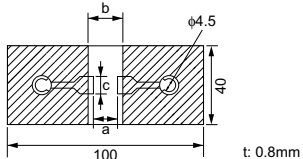
Monolithic Microchip GMA Series

For Bonding GMD Series

Product Information

GJM Series Specifications and Test Methods

☐ Continued from the preceding page.

No.	Item	Specifications		Test Method											
		Temperature Compensating Type													
11	Vibration Resistance	Appearance	No defects or abnormalities		Solder the capacitor to the test jig (glass epoxy board) in the same manner and under the same conditions as (10). The capacitor should be subjected to a simple harmonic motion having a total amplitude of 1.5mm, the frequency being varied uniformly between the approximate limits of 10 and 55Hz. The frequency range, from 10 to 55Hz and return to 10Hz, should be traversed in approximately 1 minute. This motion should be applied for a period of 2 hours in each of 3 mutually perpendicular directions (total of 6 hours).										
		Capacitance	Within the specified tolerance												
		Q	30pF and over: $Q \geq 1000$ 30pF and below: $Q \geq 400 + 20C$ C: Nominal Capacitance (pF)												
12	Deflection	Appearance	No marking defects		Solder the capacitor to the test jig (glass epoxy boards) shown in Fig. 2 using a eutectic solder. Then apply a force in the direction shown in Fig. 3. The soldering should be done by the reflow method and should be conducted with care so that the soldering is uniform and free of defects such as heat shock.										
		Capacitance Change	Within $\pm 5\%$ or $\pm 0.5pF$ (whichever is larger)												
		 <table border="1" data-bbox="375 862 885 929"> <thead> <tr> <th>Type</th> <th>a</th> <th>b</th> <th>c</th> </tr> </thead> <tbody> <tr> <td>GJM03</td> <td>0.3</td> <td>0.9</td> <td>0.3</td> </tr> <tr> <td>GJM15</td> <td>0.4</td> <td>1.5</td> <td>0.5</td> </tr> </tbody> </table> <p style="text-align: center;">(in mm)</p>		Type		a	b	c	GJM03	0.3	0.9	0.3	GJM15	0.4	1.5
Type	a	b	c												
GJM03	0.3	0.9	0.3												
GJM15	0.4	1.5	0.5												
13	Solderability of Termination	75% of the terminations are to be soldered evenly and continuously.		Immerse the capacitor in a solution of ethanol (JIS-K-8101) and rosin (JIS-K-5902) (25% rosin in weight proportion). Preheat at 80 to 120°C for 10 to 30 seconds. After preheating, immerse in eutectic solder solution for 2 ± 0.5 seconds at $230 \pm 5^\circ C$ or Sn-3.0Ag-0.5Cu solder solution for 2 ± 0.5 seconds at $245 \pm 5^\circ C$.											
14	Resistance to Soldering Heat	The measured and observed characteristics should satisfy the specifications in the following table.			Preheat the capacitor at 120 to 150°C for 1 minute. Immerse the capacitor in a eutectic solder or Sn-3.0Ag-0.5Cu solder solution at $270 \pm 5^\circ C$ for 10 ± 0.5 seconds. Let sit at room temperature for 24 ± 2 hours.										
		Appearance	No marking defects												
		Capacitance Change	Within $\pm 2.5\%$ or $\pm 0.25pF$ (whichever is larger)												
		Q	30pF and over: $Q \geq 1000$ 30pF and below: $Q \geq 400 + 20C$ C: Nominal Capacitance (pF)												
		I.R.	More than 10,000MΩ or $500\Omega \cdot F$ (whichever is smaller)												
15	Temperature Cycle	The measured and observed characteristics should satisfy the specifications in the following table.			Fix the capacitor to the supporting jig in the same manner and under the same conditions as (10). Perform the five cycles according to the four heat treatments listed in the following table. Let sit for 24 ± 2 hours at room temperature, then measure.										
		Appearance	No marking defects												
		Capacitance Change	Within $\pm 2.5\%$ or $\pm 0.25pF$ (whichever is larger)												
		Q	30pF and over: $Q \geq 1000$ 30pF and below: $Q \geq 400 + 20C$ C: Nominal Capacitance (pF)												
		I.R.	More than 10,000MΩ or $500\Omega \cdot F$ (whichever is smaller)												
16	Humidity, Steady State	The measured and observed characteristics should satisfy the specifications in the following table.			Let the capacitor sit at $40 \pm 2^\circ C$ and 90 to 95% humidity for 500 ± 12 hours. Remove and let sit for 24 ± 2 hours (temperature compensating type) at room temperature, then measure.										
		Appearance	No marking defects												
		Capacitance Change	Within $\pm 5\%$ or $\pm 0.5pF$ (whichever is larger)												
		Q	30pF and below: $Q \geq 350$ 10pF and over, 30pF and below: $Q \geq 275 + \frac{5}{2} C$ 10pF and below: $Q \geq 200 + 10C$ C: Nominal Capacitance (pF)												
		I.R.	More than 10,000MΩ or $500\Omega \cdot F$ (whichever is smaller)												

Continued on the following page. ↗

GJM Series Specifications and Test Methods

☐ Continued from the preceding page.

No.	Item	Specifications		Test Method
		Temperature Compensating Type		
17	Humidity Load	The measured and observed characteristics should satisfy the specifications in the following table.		Apply the rated voltage at 40±2°C and 90 to 95% humidity for 500±12 hours. Remove and let sit for 24±2 hours at room temperature, then measure. The charge/discharge current is less than 50mA.
		Appearance	No marking defects	
		Capacitance Change	Within ±7.5% or ±0.75pF (whichever is larger)	
		Q	30pF and over: Q≥200 30pF and below: Q≥100+ $\frac{1}{C}$ C C: Nominal Capacitance (pF)	
	I.R.	More than 500MΩ or 25Ω · F (whichever is smaller)		
18	High Temperature Load	The measured and observed characteristics should satisfy the specifications in the following table.		Apply 200% of the rated voltage for 1000±12 hours at the maximum operating temperature ±3°C. Let sit for 24±2 hours (temperature compensating type) at room temperature, then measure. The charge/discharge current is less than 50mA.
		Appearance	No marking defects	
		Capacitance Change	Within ±3% or ±0.3pF (whichever is larger)	
		Q	30pF and over: Q≥350 10pF and over, 30pF and below: Q≥275+ $\frac{1}{C}$ C 10pF and below: Q≥200+10C C: Nominal Capacitance (pF)	
	I.R.	More than 1,000MΩ or 50Ω · F (whichever is smaller)		
19	ESR	0.1pF<C≤1pF: 350mΩ · pF below 1pF<C≤5pF: 300mΩ below 5pF<C≤10pF: 250mΩ below		The ESR should be measured at room temperature, and frequency 1±0.2GHz with the equivalent of BOONTON Model 34A.
		10pF<C≤33pF: 400mΩ below		The ESR should be measured at room temperature, and frequency 500±50MHz with the equivalent of HP8753B.

Table A
(1)

Char. Code	Temp. Coeff. (ppm/°C)*1	Capacitance Change from 25°C Value (%)					
		-55°C		-30°C		-10°C	
		Max.	Min.	Max.	Min.	Max.	Min.
5C	0±30	0.58	-0.24	0.40	-0.17	0.25	-0.11
6C	0±60	0.87	-0.48	0.60	-0.33	0.38	-0.21

*1: Nominal values denote the temperature coefficient within a range of 25 to 125°C.

(2)

Char.	Nominal Values (ppm/°C)*2	Capacitance Change from 20°C Value (%)					
		-55°C		-25°C		-10°C	
		Max.	Min.	Max.	Min.	Max.	Min.
2C	0±60	0.82	-0.45	0.49	-0.27	0.33	-0.18
3C	0±120	1.37	-0.90	0.82	-0.54	0.55	-0.36
4C	0±250	2.56	-1.88	1.54	-1.13	1.02	-0.75

*2: Nominal values denote the temperature coefficient within a range of 20 to 125°C.

For General GRM Series

Array GNM Series

Low ESR LL□ Series

High-Q GJM Series

High Frequency GQM Series

Monolithic Microchip GMA Series

For Bonding GMD Series

Product Information