MCRR Series
Multilayer Ceramic Capacitor

Lead length = 25.4mm minimum,
Lead Diameter = 0.508mm

Features

- Cost effective dipped radial multilayer ceramic capacitors
- High reliability and performance
- Applications for C0G dielectric tuned circuits and filters where low loss and stability are required
- X7R dielectric offers high capacitance values in compact sizes with good stability
- Z5U dielectric can be used in coupling and decoupling applications where change of capacitance with temperature is not important

Conformally Coated Radial Leaded MLC

Temperature Coefficients : C0G (NP0), X7R, Z5U
200, 100, 63 / 50 Volts
Case Material : Epoxy
Lead Material : Solderable

C0G (NP0) Dielectric

Size and Capacitance Specifications
EIA Characteristic

Height (H)		3.81		7.62	
Width (W)		3.81		5.08	
Depth (D)		2.54		3.18	
Lead Spacing (L.S.)		2.54		5.08	
Lead Diameter (L.D.)		0.508		0.508	
Capacitance in pF	**Voltage W V DC**	**Voltage, DC**		**Voltage, DC**	
	Part Number	**200**	**100**	**200**	**100**
10	MCRR25100C0GJ0200				
22	MCRR25220C0GJ0200				
33	MCRR25330C0GJ0200				
47	MCRR25470C0GJ0200				
10	MCRR50100C0GJ0200				
22	MCRR50220C0GJ0200				
33	MCRR50330C0GJ0200				
47	MCRR50470C0GJ0200				
100	MCRR50101C0GJ0200				
220	MCRR50221C0GJ0200				
100	MCRR25101C0GJ0100				
220	MCRR25221C0GJ0100				
330	MCRR25331C0GJ0100				
470	MCRR25471C0GJ0100				
1,000	MCRR25102C0GJ0100				
1,000	MCRR50102C0GJ0100				

= Industry preferred values

Dimensions : Millimetres

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X7R Dielectric

Size and Capacitance Specifications
EIA Characteristic

Height (H)		3.81		7.62	5.08	7.62	7.62
Width (W)		3.81		5.08	5.08	5.08	7.62
Depth (D)		2.54		3.18	3.18	3.18	3.81
Lead Spacing (L.S.)		2.54		5.08	2.54	5.08	5.08
Lead Diameter (L.D.)		0.508		0.508	0.508	0.508	0.508
Capacitance in pF	Voltage W V DC	WVDC		WVDC 100	WVDC 63 / 50	WVDC 63 / 50	WVDC 63 / 50
	Part Number	100	63 / 50				
1,000	MCRR25102X7RK0100						
3,300	MCRR25332X7RK0100						
10,000	MCRR25103X7RK0100						
22,000	MCRR25223X7RK0100						
1,000	MCRR50102X7RK0100						
2,200	MCRR50222X7RK0100						
3,300	MCRR50332X7RK0100						
10,000	MCRR50103X7RK0100						
22,000	MCRR50223X7RK0100						
100,000	MCRR50104X7RK0100						
10,000	MCRR25103X7RK0050						
33,000	MCRR25333X7RK0050						
47,000	MCRR25473X7RK0050						
100,000	MCRR25104X7RK0050						
47,000	MCRR50473X7RK0050						
100,000	MCRR50104X7RK0050						
220,000	MCRR50224X7RK0050						
470,000	MCRR50474X7RK0050						
1,000,000	MCRR50105X7RK0050						

= Industry preferred values

Dimensions : Millimetres

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Z5U Dielectric

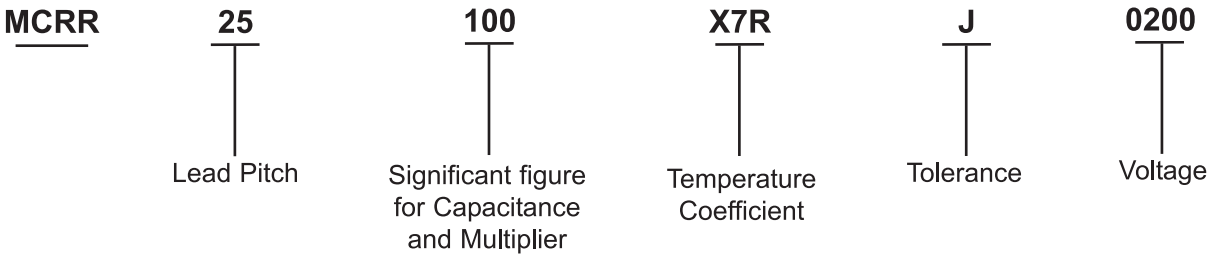
Size and Capacitance Specifications
EIA Characteristic

Height (H)		5.08	7.62	7.62
Width (W)		5.08	5.08	7.62
Depth (D)		3.18	3.18	3.81
Lead Spacing (L.S.)		2.54	5.08	5.08
Lead Diameter (L.D.)		0.508	0.508	0.508
Capacitance in pF	**Voltage WVDC** / **Part Number**	**WVDC 63 / 50**	**WVDC 63 / 50**	**WVDC 63 / 50**
100,000	MCRR25104Z5UM0050			
100,000	MCRR50104Z5UM0050			
470,000	MCRR50474Z5UM0050			
1,000,000	MCRR50105Z5UM0050			

= Industry preferred values

Dimensions : Millimetres

Part Number Explanation



Lead Pitch	: 25 = 2.54, 50 = 5.08
Significant Figures of Capacitance and Multiplier	: First two digits are the significant figures of capacitance. Third digit indicates the additional number of zeros. For example, order 100,000 pF as 104
Temperature Coefficient	: C0G (NP0), X7R, Z5U
Capacitance Tolerances	: C0G (NP0) : J = ±5%, X7R : K = ±10%, Z5U : M = ±20%
Voltages	: 50 = 63 / 50, 100 = 100, 200 = 200 V DC