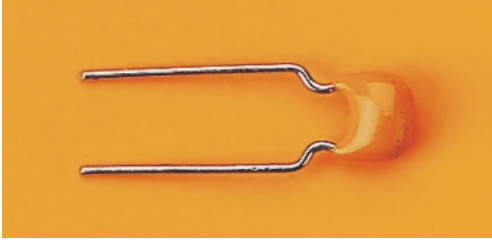


MCCR Series

Multilayer Ceramic Capacitors



General Information



Lead length=25.4min,
Lead dia=0.508

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 WVDC	Voltage, DC		Voltage, DC	
	Part Number	200	100	200	100
10	MCCR25100C0GJ0200				
22	MCCR25220C0GJ0200				
33	MCCR25330C0GJ0200				
47	MCCR25470C0GJ0200				
10	MCCR50100C0GJ0200				
22	MCCR50220C0GJ0200				
33	MCCR50330C0GJ0200				
47	MCCR50470C0GJ0200				
100	MCCR50101C0GJ0200				
220	MCCR50221C0GJ0200				
100	MCCR25101C0GJ0100				
220	MCCR25221C0GJ0100				
330	MCCR25331C0GJ0100				
470	MCCR25471C0GJ0100				
1000	MCCR25102C0GJ0100				
470	MCCR50471C0GJ0100				
1000	MCCR50102C0GJ0100				

 = Industry preferred values

Dimensions: Millimetres



MCCR Series

Multilayer Ceramic Capacitors



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 WVDC	WVDC		WVDC	WVDC	WVDC
	Part Number	100	63/50	100	63/50	63/50
1000	MCRR25102X7RK0100					
2200	MCRR25222X7RK0100					
3300	MCRR25332X7RK0100					
4700	MCRR25472X7RK0100					
10,000	MCRR25103X7RK0100					
22,000	MCRR25223X7RK0100					
1000	MCRR50102X7RK0100					
2200	MCRR50222X7RK0100					
3300	MCRR50332X7RK0100					
4700	MCRR50472X7RK0100					
10,000	MCRR50103X7RK0100					
22,000	MCRR50223X7RK0100					
100,000	MCRR50104X7RK0100					
10,000	MCRR25103X7RK0050					
33,000	MCRR25333X7RK0050					
47,000	MCRR25473X7RK0050					
100,000	MCRR25104X7RK0050					
100,000	MCRR25104Z5UM0050					
33,000	MCRR50333X7RK0050					
47,000	MCRR50473X7RK0050					
100,000	MCRR50104X7RK0050					
220,000	MCRR50224X7RK0050					
470,000	MCRR50474X7RK0050					
1,000,000	MCRR50105X7RK0050					

Dimensions: Millimetres

 = Industry preferred values



MCCR Series

Multilayer Ceramic Capacitors



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	WVDC	WVDC	WVDC
	Part Number	63/50	63/50	63/50
100,000	MCCR25104Z5UM0050			
100,000	MCCR50104Z5UM0050			
470,000	MCCR50474Z5UM0050			
1,000,000	MCCR50105Z5UM0050			
2,200,000	MCCR50225Z5UM0050			

Dimensions: Millimetres

 = Industry preferred values

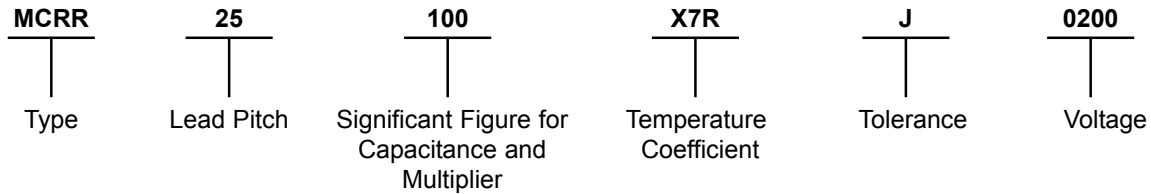


MCRR Series

Multilayer Ceramic Capacitors



Part Number Explanation:



Part Number Codes

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 Vdc
100 = 100 Vdc
200 = 200 Vdc



MARR Series

Multilayer Ceramic Capacitors



Notes:

International Sales Offices:

 AUSTRALIA – Farnell InOne Tel No: ++ 61 2 9645 8888 Fax No: ++ 61 2 9644 7898	 FINLAND – Farnell InOne Tel No: ++ 358 9 560 7780 Fax No: ++ 358 9 345 5411	 NETHERLANDS – Farnell InOne Tel No: ++ 31 30 241 7373 Fax No: ++ 31 30 241 7333	 SWITZERLAND – Farnell InOne Tel No: ++ 41 1 204 64 64 Fax No: ++ 41 1 204 64 54
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For enquiries from all other markets

<http://www.farnellinone.com>

<http://www.buckhickmaninone.com>

<http://www.cpc.co.uk>

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