



Metuchen Capacitors, Inc.
 Toll Free 1-888-535-1535 • 732-888-9700
 1-800-679-9959/Fax
 www.metcaps.com

“We Offer Quick Solutions to Noise Pollution”

Chip Capacitors for Ultra High Q RF/Microwave Applications

Mechanical Configurations

MCI SERIES	Case Size & Type	MCI Term Code	QPL		Outlines	Body Dimensions			Lead & Termination Dimensions & Materials					
			MIL-C-11272C	MIL-C-55681		Length	Width	Thickness						
200 800	A Solder Plate	W	—	CDR12BG CDR12BP	 W/T is a Termination Surface	.055 ± .015 (1.4 ± .38)		.057 (1.45) max.	For low cost, high volume, tape & reel applications Nickel barrier, solder plated					
200 800	B Solder Plate	W	—	CDR14BG CDR14BP		.110 ± .020 (2.79 ± .51)								
275	Solder Plate	—	—	—										
200 800	A Pellet	P	CY82	CDR12BG CDR12BP	 W/T is a Termination Surface	.055 ± .025 (1.4 ± .64)		.055 ± .015 (1.4 ± .38) max.				Pellets are solder-coated chips with nickel barrier over the termination. Solder melting temperature is 375°F, 179°C		
200 800	B Pellet	P	CY84	CDR14BG CDR14BP		.110 ± .035 -.020 (2.79 +.89 -.51)								
200	Pellet	—	—	—										
275	Pellet	—	—	—										
200 800	A Chip	C	CY81**	CDR11BG CDR11BP	 W/T is a Termination Surface	.055 ± .015 (1.4 ± .38)		.057 (1.45) max.	PALLADIUM SILVER TERMINATIONS					
200 800	B Chip	C	CY83**	CDR13BG CDR13BP		.110 ± .020 (2.79 ± .51)								
200	Chip	—	—	—										
275	Chip	—	—	—										
200 800	A Chip	CA	CY81**	CDR11BG CDR11BP	 W/T is a Termination Surface	.055 ± .015 (1.4 ± .38)		.057 (1.45) max.				GOLD OVER NICKEL OVER SILVER (CA)		
200 800	B Chip	*CA	CY83**	CDR13BG CDR13BP		.110 ± .020 (2.79 ± .51)								
200	Chip	—	—	—										
275	Chip	—	—	—										
200 800 275	B Microstrip	MS	CY85	CDR21BG CDR21BP		.120 (3.05) min.	.100 ± .015	.100 (2.54) max.	Length 2.50 (6.35) min.	Width .093 ± .005 (2.36 ± .13)	Thickness .004 ± .001 (0.102 ± .025)			
200 800	B Axial Ribbon	AR	CY86	CDR22BG CDR22BP		.150 (3.81) max.	(2.79 ± .38)							
200 800	B Radial Ribbon	RR	CY88	CDR24BG CDR24BP										
200 800	B Radial Wire	RW	CY87	CDR23BG CDR23BP		.120 (3.05) min.	.100 ± .015 (2.79 ± .38)	.100 (2.54) max.	.500 (12.7) min.	#26 AWG., .016 (.375) dia. nominal				
200 800	B Axial Wire	AW	CY89	CDR25BG CDR25BP		.165 (4.19) max.								

*CA Termination includes Nickel Barrier

**CY81 and CY83 are Palladium Silver terminated Chips per MIL-C-11272 requirements.
 MIL-C-11272 IS FOR REFERENCE ONLY! ADDITIONAL LEAD STYLES AVAILABLE.
 CONSULT FACTORY. Radial wire and axial wire are silver plated copper. All other leads are high purity silver and are attached with high temperature solder.

ALL DIMENSIONS ARE IN INCHES EXCEPT THOSE IN PARENTHESES WHICH ARE IN MILLIMETERS.

TAPE AND REEL PACKAGING for automated surface mounting available upon request. W Termination is Recommended.

How To Order

MCI200 B 91 0 J P 500 X

Series: _____

Case Size: _____

Capacitance Code: _____

First 2 significant digits for capacity
 R = Decimal Point

Indicates number of zeros following digits of capacitance in picofarads

Laser marking: _____

WVDC

Termination Code: _____

Capacitance Tolerance: _____



Metuchen Capacitors, Inc.
 2139 Highway 35, Suite 2 • Holmdel, NJ 07733



AS 9100
 ISO 9001



For your convenience we welcome credit card purchases