



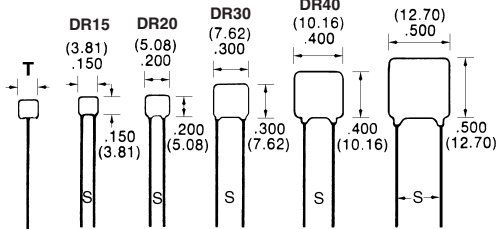
Metuchen Capacitors, Inc.
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“We Offer Quick Solutions to Noise Pollution”

Epoxy Coated Sub-Miniature Radial-Leaded

Ceramic Capacitors

MCI Part Numbers



How to Order

DR15 B CG 101 J

Size: _____

WWDC: (B = 50V)⁽¹⁾
 (D = 100V)
 (F = 200V)

Characteristic: _____
 (CG = NPO; BM = X7R; BN = Z5U)

Capacitance Code: ⁽²⁾ _____

Tolerance: ⁽³⁾ _____

- 1. WVDC Available:**
50 VDC, 100 VDC, 200 VDC
- 2. 101 = 100 pF** i.e., the third digit signifies number of zeroes
- 3. Minimum Available Capacitance Tolerances:**
 B = ±1 pF (10 pF and below)
 C = ±25 pF (10 pF and below)
 D = ±5 pF (10 pF and below)
 F = ±1% (10 pF and above)
 G = ±2% (10 pF and above)
 J = ±5% (10 pF and above)
 K = ±10% (5.6 pF and above)
 M = ±20% (2.7 pF and above)
 Z = +80%, -20% (all values)
 P = +100%, -0% (GMV — all values)

MCI offers a complete range of temperature coefficients.

Maximum Physical Dimensions

MCI Part #	DR15	DR20	DR30	DR40	DR50
S ±.030	.100 (2.54)	.100 (2.54)	.200 (5.08)	.200 (5.08)	.400 (10.16)
D +.004 -.001	.020 (.508)	.020 (.508)	.020 (.508)	.020 (.508)	.025 (.635)
T Max	.100 (2.54)	.125 (3.18)	.150 (3.81)	.150 (3.81)	.200 (5.08)
AWG #	24	24	24	24	22

S = Lead spacing D = Lead size T = Body thickness
 Dim. inches (mm)

Mechanical Specifications

Body Construction: Dipped epoxy

Lead Material: Solderable tinned copper

Marking: Parts will be marked with the following:

Trademark — Capacitance — Tolerance — Voltage Code (size permitting)

EIA specifications apply regarding Q, TC tol and CAP tol on all units 10 pF or less.

DR SERIES AVAILABLE CAPACITANCE VALUES BY VOLTAGE & TC																	
CAP pF	CAP uF	Cap Code EIA 3-digit	DR15, 17			DR20, 22, 23			DR30, 33			DR40			DR50		
			NP0	X7R	Z5U	NP0	X7R	Z5U	NP0	X7R	Z5U	NP0	X7R	Z5U	NP0	X7R	Z5U
1		1R0															
1.5		1R5															
2.2		2R2															
2.7		2R7															
3.3		3R3															
3.9		3R9															
4.7		4R7															
5.6		5R6															
6.8		6R8															
8.2		8R2															
10		100						200									
12		120						VDC									
15		150															
18		180															
22		220															
27		270															
33		330															
39		390															
47		470															
56		560															
68		680															
82		820															
100		101															
120		121															
150		151															
180		181															
220		221															
270		271															
330		331															
390		391															
470		471															
560		561															
680		681															
820		821															
1000		102															
1200		122															
1500		152															
1800		182															
2200		222															
2700		272															
3300		332															
3900		392															
4700		472															
5600		562															
6800		682															
8200		822															
10000		103															
0.012		123															
0.015		153															
0.018		183															
0.022		223															
0.027		273															
0.033		333															
0.039		393															
0.047		473															
0.056		563															
0.068		683															
0.082		823															
0.1		104															
0.12		124															
0.15		154															
0.18		184															
0.22		224															
0.27		274															
0.33		334															
0.39		394															
0.47		474															
0.56		564															
0.68		684															
0.82		824															
1		1004															
1.2		1204															
1.5		1504															
1.8		1804															
2.2		225															
2.7		275															
3.3		335															
3.9		395															
4.7		475															
5.6		565															
6.8		685															

MCI Dedicated to Customer Satisfaction Since 1972

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