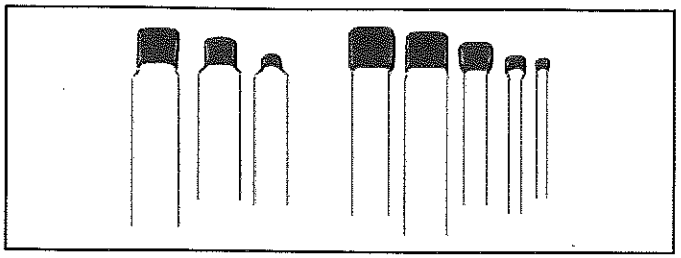
Ceramic Capacitors

Monolythic®, Conformal-Coated, Radial Lead



FEATURES

- EIA characteristics C0G, X7R, Z5U
- Capacitance range 10pF to 4.7µF
- Voltage ratings 50 WVDC to 100 WVDC
- Wide choice of lead spacing

DIMENSIONAL CONFIGURATIONS [Numbers in brackets indicate millimeters]

Drawing for dimensional purposes only. Exact outline and lead form may vary depending on size and lead spacing.

TYPE	W (Max.)	H (Max.)	T (Max.)	LEAD SIZE		LEAD SPACING (S)					
				AWG NO.	DIA.	.10 [2.54]	.20 [5.08]	.25 [6.35]	.30 [7.62]	.37 [9.40]	.40 [10.16]
9C	.138 [3.505]	.120 [3.048]	.100 [2.540]	26	.016 [.406]	X	—	—	—	—	—
1C	.200 [5.080]	.250 [6.350]	.125 [3.175]	24	.020 [.508]	X	X	X	X	—	—
2C	.300 [7.620]	.300 [7.620]	.157 [3.988]	24	.020 [.508]	—	X	X	X	X	X
3C	.400 [10.160]	.400 [10.160]	.157 [3.988]	24	.020 [.508]	—	X	X	X	X	X
5C	.500 [12.700]	.500 [12.700]	.200 [5.080]	24	.020 [.508]	—	X	X	X	X	X

HOW TO ORDER

1C	10	Z5U	104	M	050	B
TYPE	LEAD SPACING CODE	EIA TEMPERATURE CHARACTERISTIC	CAPACITANCE CODE	CAPACITANCE TOLERANCE	DC VOLTAGE RATING	LEAD LENGTH*

See Dimensional Configurations.

This is expressed in picofarads. The first two digits are the significant figures. The third is the number of zeros to follow.

This is expressed in volts. To complete the three-digit block, zeros precede the voltage rating.

B = Bulk
R = Tape and Reel
* 1.0 [25.4] minimum lead length.

CODE	TEMPERATURE RANGE	MAX. CAP. CHANGE OVER TEMP. RANGE
Z5U	+ 10°C to + 85°C	- 56%, + 22%
X7R	- 55°C to + 125°C	± 15%
C0G	- 55°C to + 125°C	0 ± 30PPM/°C

See Dimensional Configurations.

EIA CODE	TOLERANCE	AVAILABLE IN EIA CHARACTERISTIC
J	± 5%	C0G
K	± 10%	X7R
M	± 20%	Z5U