

MULTILAYER CERAMIC CHIP CAPACITORS -HIGH VOLTAGE

DESCRIPTION:

Pro-Cap offers RoHS compliant High Voltage Chip Capacitors. These capacitors are developed for circuits that need reliable components in high voltage applications, such as high voltage solid state multipliers, high voltage power supply, high voltage rectifier arrays and other consumer applications. Pro-Cap operates a policy of continuous research and development for its capacitance and voltage ranges for Multilayer Ceramic Capacitors. For further specific requirements, please contact a distributor.

Specifications	COG	Z7R
Operating Temperature Range	-55°C to +125°C	-55°C to +125°C
Temperature Characteristic	0 ± 30ppm/°C	±15% with 0 Vdc Applied
Dissipation Factor	0.1% max @ 1MHz for 1000pF 0.1% max @ 1KHz for > 1000pF	2.5% max @ 1KHz 1.0 Vrms and 25°C
Insulation Resistance	100,000 Megohms min @ +25°C 10,000 Megohms min @ +125°C	100,000 Megohms min @ +25°C 10,000 Megohms min @ +125°C
Capacitance Range	1pF to 0.039µF	10pF to 1.0µF
Capacitance Tolerances	±2% (G) ±5% (J), +10% (K), ±20% (M)	±% (J), ±10% (K), ±20% (M)
Rated Voltage	200Vdc, 500Vdc, 1000Vdc	200Vdc, 500Vdc, 1000Vdc
Dielectric Withstanding Voltage	200Vdc = 250%, 500Vdc = 200%, 1000Vdc = 150% of rated voltage for 5 ± 1 seconds, 50 milliamps max.	200Vdc = 250%, 500Vdc = 200%, 1000Vdc = 150% of rated voltage for 5 ± 1 seconds, 50 milliamps max.
Termination Material	Nickel-barrier	Nickel-barrier

Notes:

- Other capacitance values are available in voltages up to 5000 Volts, contact us for details.
- For solder coated terminations, add 0.005” to length, width and thickness maximum dimensions.