



HIGH VOLTAGE CERAMIC CAPACITOR

SPECIFICATION:

TC TYPE (CLASS I)

Operation Temperature Range	- 25°C ~ + 85°C
Rated Working Voltage (DC)	500V to 4000V
Capacitance	Measured at 25°C, 1MHz, 1V rms. max.
Capacitance Tolerance	1 pF ~ 9 pF: ± 0.25 pF (C) or ± 0.5 pF (D) 10 pF and above: ± 5% (J) or ± 10% (K)
Insulation Resistance	10,000MΩ mim. at 500V DC test voltage, 60 sec.
Q (Quality Factor)	Measured at 25°C, 1MHz, 1V rms. max. Q=1000 min, if C ≥ 30 pF Q ≥ 400+20C, if C < 30 pF (where C =capacitance)
Voltage Proof (Flash Test) (with 50mA current, 1.5 sec.)	For 500V rating parts: Withstand 1,250V DC For 1KV & above rating parts: Withstand 200% of rated working voltage
Coating Material	For 500V to 2KV rating parts: Phenolic or epoxy resin coating For 3KV & above rating parts: Epoxy resin (meet UL 94V-0)

Hi-K TYPE (CLASS II)

Operation Temperature Range	Y5P: - 30°C ~ + 85°C Z5U, Z5V: + 10°C ~ + 85°C
Rated Working Voltage (DC)	500V to 4000V
Capacitance	Measured at 25°C, 1KHz, 1V rms. Max.
Capacitance Tolerance	± 10% (K), ± 20% (M), + 50% - 10% (R), + 80% - 20% (Z)
Insulation Resistance	10,000MΩ mim. At 500V DC test voltage, 60 sec.
Dissipation Factor (D.F.)	Measured at 25°C, 1KHz, 1V rms. Max. Y5P, Z5U: 2.5% max. Z5V: 5.0% max.
Voltage Proof (Flash Test) (with 50mA current, 1.5 sec.)	For 500V rating parts: Withstand 1,250V DC For 1KV & above rating parts: Withstand 200% of rated working voltage
Coating Material	For 500V to 2KV rating parts: Phenolic or epoxy resin coating For 3KV & above rating parts: Epoxy resin (meet UL 94V-0)