



## GTCV8 Mica Paper Capacitor

(Big current,high voltage)



### Feature:

- ◆ Using the best mica paper as material,dipping high temperature epoxy resin.
- ◆ High frequency,high voltage and big current.
- ◆ Very stable at big current circuit.

### Application:

- ◆ Our CV8 series mica pcapacitors are suitable to high frequency,high voltage, big current circuit. Like high frequency feedback circuit,high frequency resonance circuit and pulse circuit etc.
- ◆ Widely use in satellite,aerospace,ship,medical equipment,oil down-hole equipment, welding machine,metallurgy equipment etc.

### General Characteristics

- ◆ Temperature Range:  $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
- ◆ Capacitance Tolerance:  $\pm 5\%, \pm 10\%, \pm 20\%$
- ◆ Relative Humidity: 80%, at  $+40^{\circ}\text{C}$  can be short time at 95~98%.
- ◆ Atmospheric pressure:  $6 \times 10^4 \text{Pa} \sim 1.04 \times 10^5 \text{Pa}$
- ◆ Vibration: frequency 10~500Hz, acceleration: 10g
- ◆ Working voltage: 2KV~30KV
- ◆ Working current: 5A~50A
- ◆ DC test voltage: at room temperature, rated voltage  $U_0 \leq 10\text{KV}$  capacitor, load 2 times working voltage, Rated voltage  $10\text{KV} < U_0 \leq 30\text{KV}$  capacitor, load 1.5 times working voltage, Rated voltage  $U_0 > 30\text{KV}$  capacitor, load 1.2 times working voltage, After keep 1 minute, no breakdown and flashover.
- ◆ Insulation resistance(R): normal climate  
Capacitance  $C \geq 0.1\mu\text{F}$   $R \geq 1000\text{M}\Omega$   
Capacitance  $C < 0.1\mu\text{F}$   $R > 5000\text{M}\Omega$
- ◆ Dissipation factor:  $\text{tg}\delta \leq 4 \times 10^{-3}$  (1KHz), Pass D.C. rated voltage test.



Some items' datas.

Part Number	Capaitance (μF)	Working Voltage (KV/DC)	Working Current (A)	Working Frequency (MHz)
CV8-1	0.005	15	30	1
	0.01	30	50	1
	0.01	4.5	25	1
	0.05	15	50	1
	0.1	7.5	15	1
CV8-2	0.004	15	10	1
	0.01	20	10	1
CV8-3	0.025	5	25	1
	0.025	5	5	1

Can used in DC blocking,energy storage,feedback,by-pass circuit etc.