

CGCA 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:

- ◆ JINPEI CGCA 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.

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Some items' datas.

Part Number	Capaitance (μF)	Working Voltage	Working Current	Working Frequency
		(KV/DC)	(A)	(MHz)
CGCA-A	0.005	15 4R	30	1
	0.01	30 4U	50	1
	0.01	4.5 3W	25	1
	0.05	15 4R	50	1
	0.1	7.5 3M	15	1
CGCA-B	0.004	15 4R	10	1
	0.01	20 4D	10	1
CGCA-C	0.025	5 3H	25	1
	0.025	5 3H	5	1

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

PART NUMBER EXAMPLE

