



## CV9 Mica Paper Capacitor

(Big Capacitance)

**Feature:**

- ◆ CV9-1 is big capacitance and high voltage, CV9-2 is big capacitance and low voltage.
- ◆ Big specific energy, small inherent inductance, corona resistant, damp proof, vibration resistance.
- ◆ Small dissipation factor, high reliability.

**Application:**

- ◆ Our CV9 series mica pcapacitors are suitable to high voltage or low voltage, medium-high frequency, big current circuit. Like large power industrial heater, quenching equipment etc.

**General Characteristics**

- ◆ Temperature Range: CV9-1 -40°C ~ +85°C, CV9-2 -40°C ~ +70°C
- ◆ Relative Humidity: 80%, at +40°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: CV9-1 2KV~30KV, CV9-2 0.45KV~0.63KV
- ◆ Working current: 5A~50A

Items		Normal atmosphere	Mechanical Load	+ Limited Temp.	-Limited Temp.	Hot Flash	High-temp. Load	
Cap. Change		-	±5%	±10%	±10%	±5%	±10%	
Insulated Resistance	Inter	≤0.22μF	1000MΩ	-	1000MΩ	-	500MΩ	1000MΩ
	polar	>0.22μF	1000MΩ. μF	-	200MΩ. μF	-	500MΩ. μF	500MΩ. μF
	Case polar		500MΩ	-	-	-	-	-
Dissipation Factor	CV9-1	≤0.004	-	-	-	-	≤0.004	
	CV9-2	≤0.008	-	-	-	-	≤0.008	
Dielectric strength		Carry out nder standard YYB27-87, capacitor loading 1 minute test voltage, no breakdown, no flashover						



Some items' datas.

Part Number	Capaitance ( $\mu\text{F}$ )	Working Voltage (KV/DC)	Working Current (A)	Working Frequency (MHz)
CV9-1	2	2	5	1
	4	2	5	1
	8	2	5	1
	10	2	5	1
CV9-2	2	0.45	5	1
	4	0.45	5	1
	8	0.45	5	1

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

