

HIGH TEMP AND HIGH VOLTAGE MICA PAPER CAPACITOR

Using 511 Mica paper with the best properties as medium, CVG high temperature and high voltage mica paper capacitor is made by being dipped in high temp resin. This kind of capacitor Can work under the condition of high temperature and high working voltage.

Working Condition:

- Temp of environment: -55~+200℃
- Humidity of environment: Relative humidity reach 95~98%. at +40℃
- Atmosphere pressure: Reach 4×10^4 Pa
- Vibration: Frequency 20~500Hz Acceleration 2.7~4.5g
- Working voltage: 0.45~30KV



Main Techs:

- Acceptable difference of capacity: $\pm 3\%$, $\pm 5\%$, $\pm 10\%$
- Testing D.C. working voltage: After heated at +150℃ for one hour, neither breakdown nor arcover is observed when it works at a voltage 1.5 times of the normal for one minute.
- Dielectric loss tangent: At normal weather $\text{tg } \delta \leq 5 \times 10^{-3}$ (1kHz) 。
- Insulated resistance: At normal weater $C \geq 0.1 \mu\text{F}$, $R \geq 1000\text{M}\Omega$; $C < 0.1 \mu\text{F}$, $R > 5000\text{M}\Omega$

High temp specs:

- ▲ The deviation ratio of capacity less than $\pm 10\%$, insulating resistance greater than 500 MΩ , dielectric loss tangent $\text{tg } \delta \leq 5 \times 10^{-3}$ (1kHz) , conforming to the requirement of resistance to D.C.voltage after the capacitor was placed at +200℃ for one hour.
- ▲ The deviation ratio of capacity less than $\pm 7\%$, insulating resistance greater than 500 MΩ , dielectric loss tangent $\text{tg } \delta \leq 5 \times 10^{-3}$ (1kHz) , conforming to the requirement of resistance to D.C.voltage after the capacitor was placed at -55℃ for one hour.
- ▲ The deviation ratio of capacity less than $\pm 5\%$, insulating resistance greater than 500 MΩ , dielectric loss tangent $\text{tg } \delta \leq 5 \times 10^{-3}$ (1kHz) , conforming to the requirement of resistance to D.C.voltage after the capacitor was treated for 5 cycles at -55~+200℃ alternatively.
- ▲ The deviation ratio of capacity less than $\pm 5\%$, insulating resistance greater than 500 MΩ , dielectric loss tangent $\text{tg } \delta \leq 5 \times 10^{-3}$ (1kHz) , conforming to the requirement of resistance to D.C.voltage after the capacitor was placed at +40℃ and relative humidity 95-98% for 48 hours.
- ▲ The deviation ratio of capacity less than $\pm 10\%$, insulating resistance greater than 500 MΩ , dielectric loss tangent $\text{tg } \delta \leq 6 \times 10^{-3}$ (1kHz) , conforming to the requirement of resistance to D.C.voltage after the capacitor was placed at 195℃~+200℃ for 96 hours.

Vibrat specs:

The deviation ration of capacity less than $\pm 5\%$ after the capacitor was subjected to mechanical shock.

CVG

MAIN TECHS

Type	Standard capacity (μ F)	D.C. Working voltage (KV)
CVG-1	0.47	3
	0.47	0.25
	0.047	2
	0.033	0.25
CVG-2	3.3	3
	0.1	4
CVG-3	0.022	4