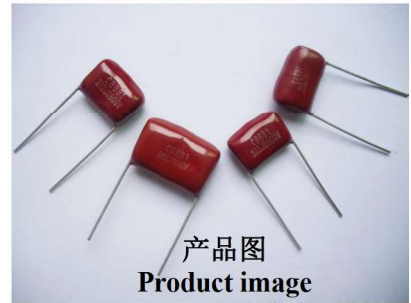




◆ Dimension Lists (mm) Diagram

**High-Voltage Metalized Polypropylene Film
Capacitor Type: CBB81**



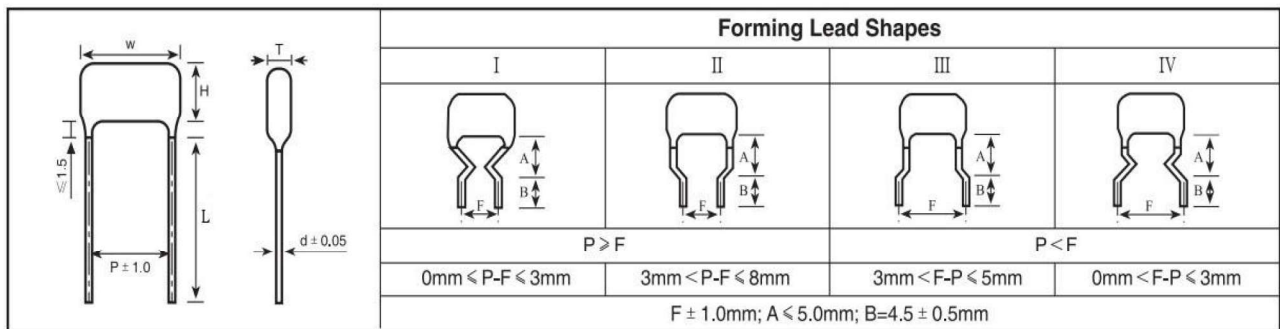
Type	Cap (μ F)	Rated Voltage	Capacitance Tolerance	Dimensions (mm)					
				W \pm 0.5	H \pm 0.5	T \pm 0.5	P \pm 0.5	Lmin	Φ d
CBB81 471J 2000V	0.00047uf	2000V	K	17	9.5	5	15	24	0.8
note									



High-Voltage Metalized Polypropylene Film Capacitor Type: CBB81

Are non-inductively wound with metalized polypropylene film as dielectric and aluminum foil as the electrode with copper-clad steel leads and epoxy resin coating.

◆ Outline Drawing:



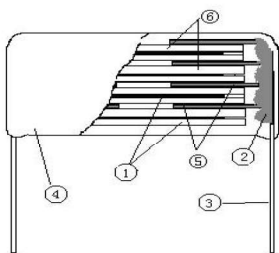
◆ Features:

- High corona starting voltage.
- High current rating and high dv/dt.
- Series electrode construction.
- Self healing properties.

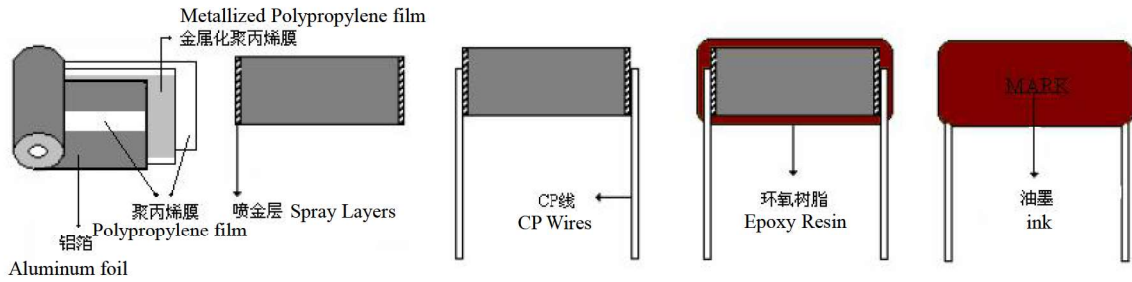
◆ Typical Applications:

- Widely used in high frequency and high pulse, large current circuits.
- Suitable for the high pulse and high current loading circuit.
- Buffer, connecting switch, high voltage power supply device, electronic lighting ballast, energy-saving lamps.

◆ structure chart:



- ① Metallized Polypropylene film
- ② Spray Layers
- ③ CP Wires
- ④ Epoxy Resin
- ⑤ Aluminum foil
- ⑥ Polypropylene film

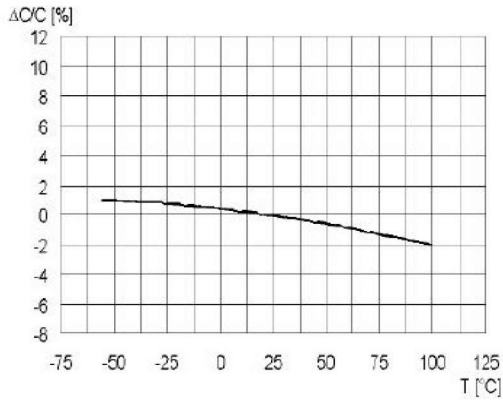


◆ Specification:

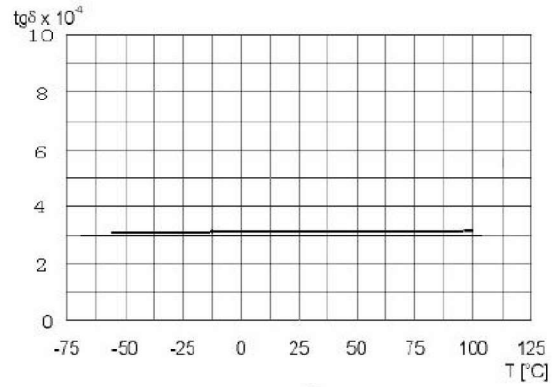
Reference Standards:	GB14759(China)IEC384-1 (International Electric Committee) IEC60 384-17 (International Electric Committee)
Rated Voltage(U_R):	1000VDC; 1250VDC; 1600VDC; 2000VDC
Operation Temperature Range:	-40°C - +85°C
Capacitance Range:	PPS: 0.001 μ F – 0.18 μ F
Capacitance Tolerance Range:	J(\pm 5%); K(\pm 10%)
Dielectric:	Polypropylene Film
(25°C \pm 5°C) Dissipation Factor Tan δ :	DF \leq 1 μ F 0.1% (10KHZ)
Insulation Resistance: Between Terminals:	100VDC, 1Min \geq 100000M Ω
Withstand Voltage:	2 U_R (10S)
Life. Test Conditions:	85 \pm 2°C, 1.25 U_R , 1,000Hours Capacitance Drift: \leq \pm 2% Of the initial value Dissipation Factor \leq 1.5 Of the initial value (1KHz)



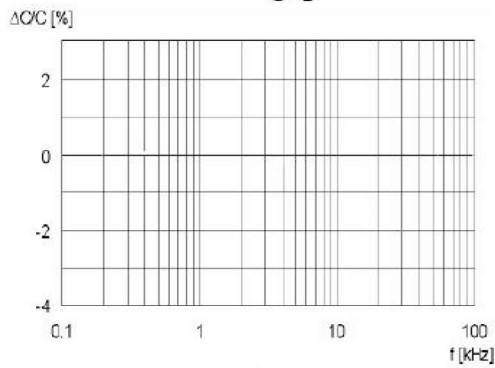
◆ Polypropylene film capacitor characteristic curve:



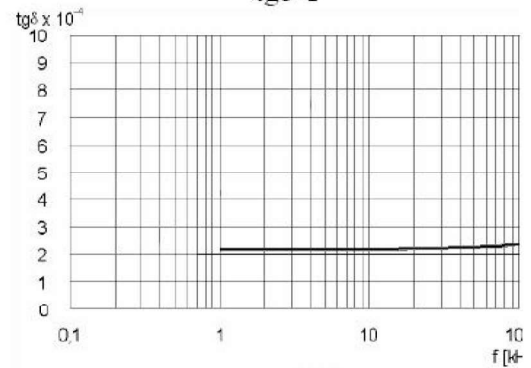
C-T



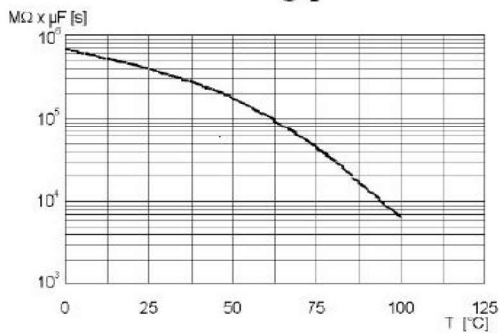
$\text{tg}\delta$ -T



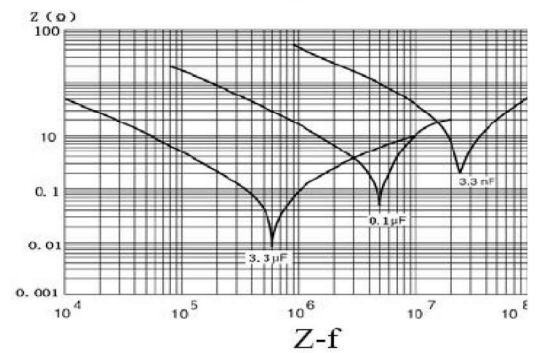
C-f



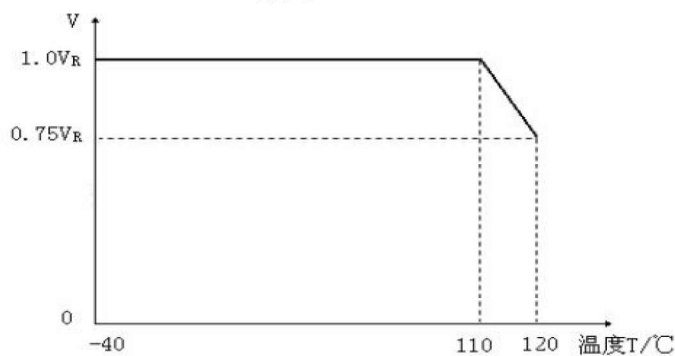
$\text{tg}\delta$ -f



R-T



Z-f



T-V