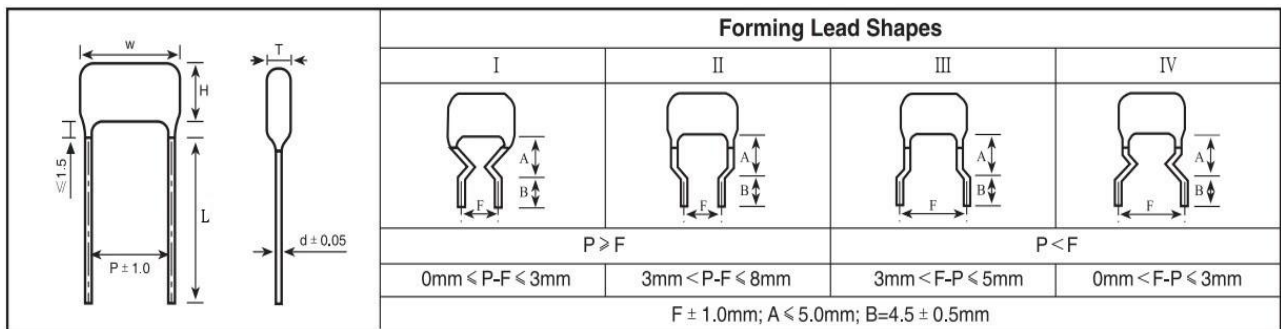


Electronic ballast capacitor CBB81(PPS)

High-Voltage Metallized Polypropylene Film/Foil Capacitor Type: CBB81

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

◆ Outline Drawing:



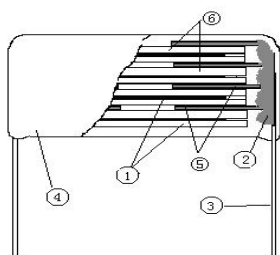
◆ Features:

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

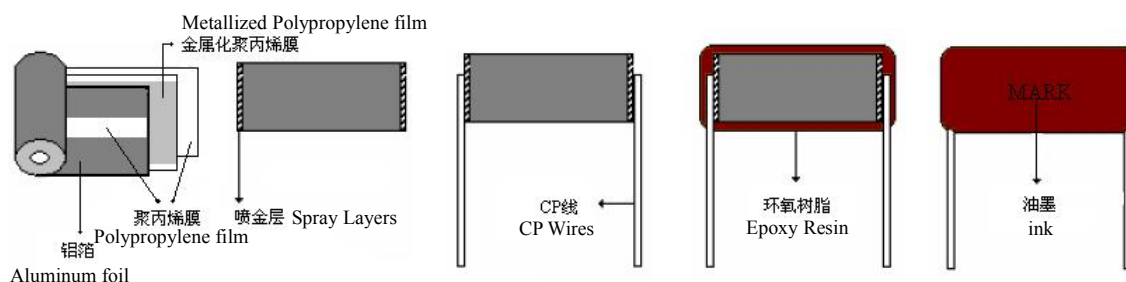
◆ Typical Applications:

- 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

◆ structure chart:



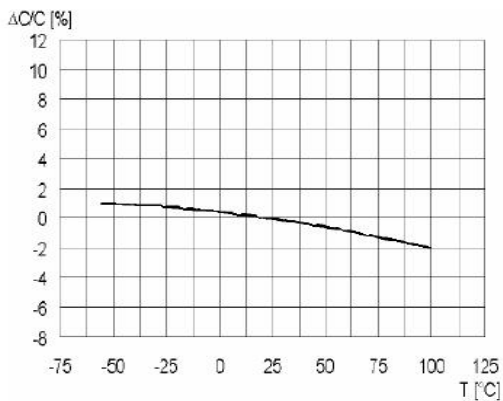
- ① Metallized Polypropylene film
- ② Spray Layers
- ③ CP Wires
- ④ Epoxy Resin
- ⑤ Aluminum foil
- ⑥ Polypropylene film



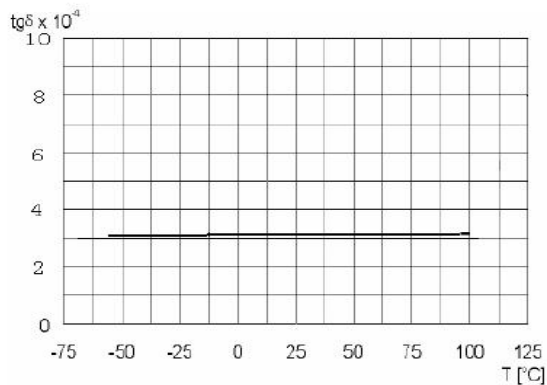
◆ Specification:

Reference Standards:	GB14759(IEC60384-17)
Rated Voltage(UR):	1000VDC; 1250VDC; 1600VDC; 2000VDC
Climate Category	40/105/21
Rated Temperature	85℃
Operation Temperature Range:	-40℃ - +105℃
Capacitance Range:	0.001μF – 0.18μF
Capacitance Tolerance Range:	J(±5%); K(±10%)
Dielectric:	Metallized Polypropylene Film
(25℃±5℃) Dissipation Factor Tanδ:	DF≤1μF 0.1% (10KHZ)
Insulation Resistance (Between Terminals):	100VDC, 1Min ≥100000MΩ
Withstand Voltage:	1.75UR(5S)
Life. Test Conditions:	85±2℃, 1.25UR, 1,000Hours Capacitance Drift: ≤±2% Of the initial value Dissipation Factor ≤1.5 Of the initial value (1KHz)

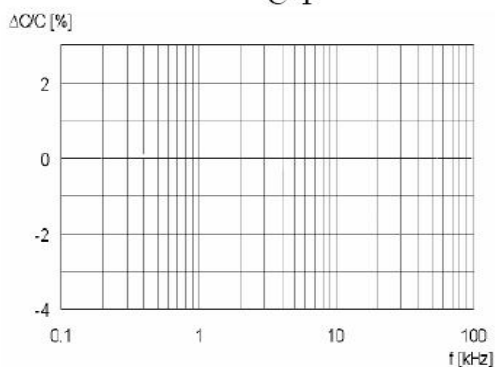
◆ Polypropylene film capacitor characteristic curve:



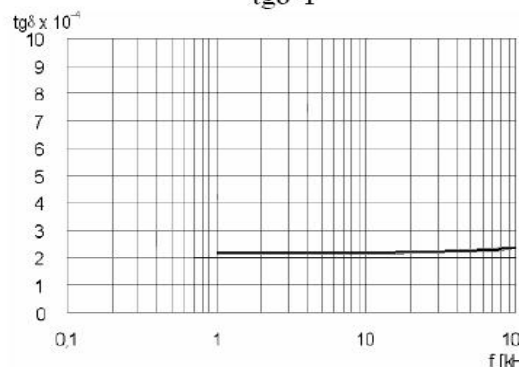
C-T



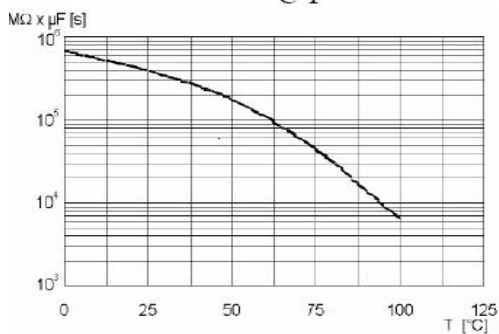
tgδ-T



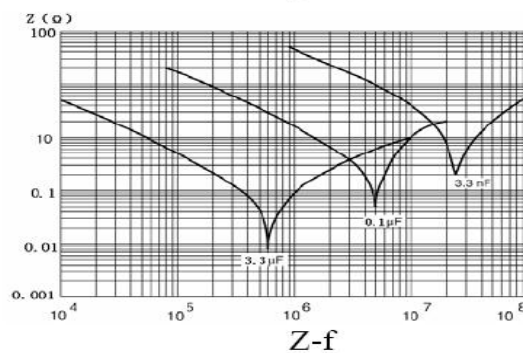
C-f



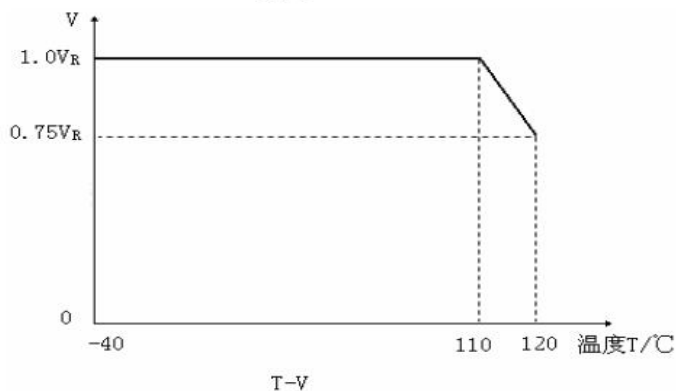
tgδ-f



R-T



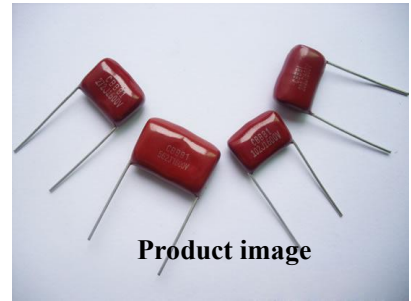
Z-f



T-V

◆ **Dimension Lists (mm) Diagram**

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



1000VDC(P=10) (400VAC)							
Cap Code	Cap Value uF	Part No	Dimensions (mm)				
			Wmax	T max	H max	P ±1.0	d ±0.05
152	0.0015	PPS152K(J)1000V	13.0	4.0	7.5	10.0	0.6
182	0.0018	PPS182K(J)1000V	13.0	4.0	7.5	10.0	0.6
222	0.0022	PPS222K(J)1000V	13.0	4.5	8.0	10.0	0.6
272	0.0027	PPS272K(J)1000V	13.0	5.0	9.0	10.0	0.6
332	0.0033	PPS332K(J)1000V	13.0	5.0	10.0	10.0	0.6
392	0.0039	PPS392K(J)1000V	13.0	5.5	10.5	10.0	0.6
472	0.0047	PPS472K(J)1000V	13.0	6.0	11.0	10.0	0.6
562	0.0056	PPS562K(J)1000V	13.0	6.5	11.5	10.0	0.6
682	0.0068	PPS682K(J)1000V	13.0	5.5	10.5	10.0	0.6
822	0.0082	PPS822K(J)1000V	13.0	6.0	11.0	10.0	0.6
103	0.01	PPS103K(J)1000V	13.0	6.5	11.5	10.0	0.6
1000VDC/1250VDC(P=15 or wider) (450VAC)							
102	0.001	PPS102K(J)1250V	19.0	6.0	10.0	15.0	0.8
122	0.0012	PPS122K(J)1250V	19.0	6.0	10.5	15.0	0.8
152	0.0015	PPS152K(J)1250V	19.0	6.0	11.0	15.0	0.8
182	0.0018	PPS182K(J)1250V	19.0	6.5	11.5	15.0	0.8
222	0.0022	PPS222K(J)1250V	19.0	7.0	12.5	15.0	0.8
272	0.0027	PPS272K(J)1250V	19.0	8.0	13.0	15.0	0.8
332	0.0033	PPS332K(J)1250V	19.0	8.5	14.0	15.0	0.8
392	0.0039	PPS392K(J)1250V	19.0	8.5	15.5	15.0	0.8
472	0.0047	PPS472K(J)1250V	19.0	10.0	17.0	15.0	0.8
562	0.0056	PPS562K(J)1250VA	19.0	11.0	17.5	15.0	0.8
562	0.0056	PPS562K(J)1250VB	24.0	7.5	13.0	20.0	0.8
682	0.0068	PPS682K(J)1250VA	19.0	7.0	12.5	15.0	0.8
682	0.0068	PPS682K(J)1250VB	24.0	8.0	15.0	20.0	0.8
822	0.0082	PPS822K(J)1250VA	19.0	8.0	13.5	15.0	0.8
822	0.0082	PPS822K(J)1250VB	24.0	8.6	15.6	20.0	0.8

103	0.01	PPS103K(J)1250VA	19.0	8.0	15.0	15.0	0.8
103	0.01	PPS103K(J)1250VB	24.0	9.5	16.5	20.0	0.8
123	0.012	PPS123K(J)1250V	24.0	10.5	17.5	20.0	0.8
153	0.015	PPS153K(J)1250V	24.0	12.0	18.5	20.0	0.8
183	0.018	PPS183K(J)1250V	24.0	12.5	20.5	20.0	0.8
223	0.022	PPS223K(J)1250V	24.0	13.5	22.0	20.0	0.8
273	0.027	PPS273K(J)1250V	24.0	15.0	23.5	20.0	0.8
183	0.018	PPS183K(J)1250V	29.0	9.0	17.5	25.0	0.8
223	0.022	PPS223K(J)1250V	29.0	10.5	19.0	25.0	0.8
273	0.027	PPS273K(J)1250V	29.0	9.5	18.0	25.0	0.8
333	0.033	PPS333K(J)1250V	29.0	10.5	19.0	25.0	0.8
393	0.039	PPS393K(J)1250V	29.0	11.5	20.0	25.0	0.8
473	0.047	PPS473K(J)1250V	29.0	12.5	21.0	25.0	0.8
563	0.056	PPS563K(J)1250V	29.0	14.0	22.0	25.0	0.8
683	0.068	PPS683K(J)1250V	29.0	15.1	23.5	25.0	0.8
823	0.082	PPS823K(J)1250V	29.0	17.0	25.5	25.0	0.8
104	0.1	PPS104K(J)1250V	35.0	11.5	20.0	30.0	0.8
124	0.12	PPS124K(J)1250V	35.0	13.0	21.0	30.0	0.8
154	0.15	PPS154K(J)1250V	35.0	14.5	23.0	30.0	0.8
184	0.18	PPS184K(J)1250V	35.0	15.0	25.0	30.0	0.8
224	0.22	PPS224K(J)1250V	35.0	17.0	27.0	30.0	0.8
274	0.27	PPS274K(J)1250V	35.0	19.0	29.0	30.0	0.8
334	0.33	PPS334K(J)1250V	35.0	21.0	31.0	30.0	0.8
394	0.39	PPS394K(J)1250V	35.0	23.0	33.0	30.0	0.8
474	0.47	PPS474K(J)1250V	35.0	25.5	35.5	30.0	0.8
1600VDC(600VAC)							
851	0.00085	PPS851K(J)1600V	17.5	6.5	10.5	15.0	0.8
102	0.001	PPS102K(J)1600V	17.5	6.5	11.0	15.0	0.8
122	0.0012	PPS122K(J)1600V	17.5	6.5	11.0	15.0	0.8
152	0.0015	PPS152K(J)1600V	17.5	7.0	11.0	15.0	0.8
172	0.0017	PPS172K(J)1600V	17.5	7.0	11.0	15.0	0.8
182	0.0018	PPS182K(J)1600V	18.0	7.5	11.5	15.0	0.8
202	0.002	PPS202K(J)1600V	18.0	7.5	12.0	15.0	0.8
222	0.0022	PPS222K(J)1600V	18.0	7.8	12.0	15.0	0.8
252	0.0025	PPS252K(J)1600V	18.0	8.0	12.5	15.0	0.8
272	0.0027	PPS272K(J)1600V	18.0	8.1	13.0	15.0	0.8
302	0.003	PPS302K(J)1600V	18.0	8.2	13.0	15.0	0.8
332	0.0033	PPS332K(J)1600V	18.0	7.7	15.0	15.0	0.8
372	0.0037	PPS372K(J)1600V	16.5	8.5	15.5	15.0	0.8
472	0.0047	PPS472K(J)1600VA	17.5	6.5	11.0	15.0	0.8
472	0.0047	PPS472K(J)1600VB	22.0	7.0	13.0	20.0	0.8

562	0.0056	PPS562K(J)1600V	22.0	7.2	13.8	20.0	0.8
682	0.0068	PPS682K(J)1600V	24.0	8.0	15.0	20.0	0.8
822	0.0082	PPS822K(J)1600V	24.0	9.0	16.0	20.0	0.8
103	0.01	PPS103K(J)1600V	24.0	9.5	16.5	20.0	0.8
123	0.012	PPS123K(J)1600V	24.0	10.5	17.5	20.0	0.8
153	0.015	PPS153K(J)1600VA	24.0	12.0	18.5	20.0	0.8
183	0.018	PPS183K(J)1600V	24.0	12.1	20.4	20.0	0.8
223	0.022	PPS223K(J)1600VA	24.0	13.4	21.8	20.0	0.8
153	0.015	PPS153K(J)1600VB	29.0	8.0	16.5	25.0	0.8
183	0.018	PPS183K(J)1600V	29.0	9.0	17.5	25.0	0.8
223	0.022	PPS223K(J)1600VB	29.0	10.5	19.0	25.0	0.8
273	0.027	PPS273K(J)1600V	29.0	11.5	20.0	25.0	0.8
333	0.033	PPS333K(J)1600V	29.0	13.0	21.0	25.0	0.8
393	0.039	PPS393K(J)1600V	29.0	14.0	22.5	25.0	0.8
473	0.047	PPS473K(J)1600V	29.0	15.0	24.5	25.0	0.8
563	0.056	PPS563K(J)1600V	29.0	16.5	26.0	25.0	0.8
683	0.068	PPS683K(J)1600V	29.0	18.0	28.0	25.0	0.8
823	0.082	PPS823K(J)1600V	35.0	17.0	25.5	30.0	0.8
104	0.1	PPS104K(J)1600V	35.0	19.0	27.5	30.0	0.8
2000VDC(700VAC)							
561	0.00056	PPS561K(J)2000V	19.0	6.3	11.5	15.0	0.8
681	0.00068	PPS681K(J)2000V	19.0	7.2	12.6	15.0	0.8
821	0.00082	PPS821K(J)2000V	19.0	7.8	13.2	15.0	0.8
102	0.001	PPS102K(J)2000V	19.0	8.0	15.0	15.0	0.8
122	0.0012	PPS102K(J)200VA	17.5	5.0	10.0	15.0	0.8
122	0.0012	PPS122K(J)2000VB	19.0	7.9	14.9	15.0	0.8
152	0.0015	PPS152K(J)2000V	19.0	9.4	16.2	15.0	0.8
182	0.0018	PPS182K(J)2000V	19.0	10.3	17.0	15.0	0.8
222	0.0022	PPS222K(J)2000VA	19.0	10.5	15.7	15.0	0.8
222	0.0022	PPS222K(J)2000VB	24.0	7.9	14.9	20.0	0.8
272	0.0027	PPS272K(J)2000VA	19.0	10.0	16.8	15.0	0.8
332	0.0033	PPS332K(J)2000VA	19.0	11.1	17.9	15.0	0.8
272	0.0027	PPS272K(J)2000VB	24.0	8.8	15.7	20.0	0.8
332	0.0033	PPS332K(J)2000VB	24.0	8.8	15.8	20.0	0.8
392	0.0039	PPS392K(J)2000V	24.0	10.1	16.9	20.0	0.8
472	0.0047	PPS472K(J)2000VA	24.0	11.0	17.8	20.0	0.8
562	0.0056	PPS562K(J)2000VA	24.0	10.4	17.2	20.0	0.8
682	0.0068	PPS682K(J)2000VA	24.0	10.8	19.2	20.0	0.8
822	0.0082	PPS822K(J)2000VA	24.0	11.9	20.3	20.0	0.8
103	0.01	PPS103K(J)2000V	24.0	12.2	20.5	20.0	0.8
123	0.012	PPS123K(J)2000V	24.0	13.4	21.7	20.0	0.8



TUOSHENG TECHNOLOGY COMPANY LIMITED

info@tuoshengtech.com

www.tuoshengtech.com

472	0.0047	PPS472K(J)2000VB	28.0	8.4	16.9	25.0	0.8
562	0.0056	PPS562K(J)2000VB	29.0	9.7	18.0	25.0	0.8
682	0.0068	PPS682K(J)2000VB	29.0	10.7	19.0	25.0	0.8
822	0.0082	PPS822K(J)2000VB	29.0	10.7	19.0	25.0	0.8