



# 金属化丙烯膜箔式高压电容器---CBB81(PPS)系列

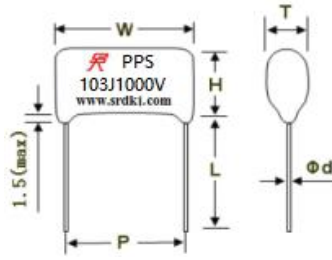
## Metallized Polypropylene Film And Foil Capacitors---CBB81(PPS)series

### 引用标准 Reference standards

GB10188 (IEC384-13)

### 结构 Structure

介质: 聚丙烯膜  
 电极: 金属真空蒸发层和铝箔  
 封装: 阻燃粉末环氧树脂, 符合 UL94V-0



Dielectric: Polypropylene film

Electrode: Metal vacuum evaporation layer and aluminum foil

Encapsulation: inflame retardant power epoxy resin, conforming to UL94 V-0

### 典型应用 Typical Application

高频、直流、交流及脉冲大电流场合 如: 灯具、电源, 显示器及彩电行逆程线路等 电子整流器, 节能灯等  
 high frequency, direct current, alternating current or large pulse current occasion

For example damp, power supply, display and colorful TV lines retrace circuits, electronic rectifier, energy-saving lamps etc

### 特点 Features

有良如自愈性能。高频损耗小, 温升高, 高冲击强度。内部串联结构, 电压高, 过电流大等

Small volume with good self-healing property, low dissipation at high frequency, low temperature rise

High impact strength. Internal series structure, high voltage, large current passage etc.

### 符合 RoHS 及 REACH 环保标准 Compliance with RoHS & REACH requirements.

### 电性能规范 Performance Specifications

气候类别 Climate category	40/105/56						
额定温度 Rated Temperature	85°C						
工作温度范围 Operating Temperature range	-40°C--+105°C. (+85°C~+105°C): decreasing factor 1.5% per °C for R.V(DC) (+85°C~+105°C): 额定电压降额使用系数 1.5% per °C for R.V(DC)						
额定电压 Rated Voltage	630VDC, 1000VDC, 1250VDC, 1600VDC, 2000VDC, 3000VDC						
容量误差 Capacitance Tolerance	J: ±5%						
容量范围 Capacitance Range	0.001μF~22μF 测试条件 Test Condition: 20°C, 1KHz, 1Vrms						
耐电压 Withstand Voltage	2.0U <sub>R</sub> ,5S			无击穿或飞弧 No breakdown or electric arcing			
损耗角 Dissipation factor	≤0.001 (1KHz)			测试条件 Test Condition : 20°C 1Vrms			
绝缘电阻或时间常数 Insulation Resistance	C <sub>R</sub> ≤0.1μF IR≥30000MΩ C <sub>R</sub> >0.1μF IR≥10000S			测试条件 Test Condition : 20°C 100V 1 min			
最大脉冲爬升速率 Max. Pulse Rise Time (dV / dt)	P=10	P=15	P=20	P=22.2	P=25	P=27.5	P=31.5
	1000	1500	1000	500	500	500	500



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### 电性能规范 Performance Specifications

稳态湿热 Steady-state Damp-heat Test	温度 Temp.: 40±2℃ 相对湿度 Humidity: 93%RH 持续时间 Duration Time: 56 Days	无可见损伤, 标志清晰 no visible damage, clear mark 绝缘电阻 IR: ≥ 额定值的 50% IR: ≥ 50% of Rated value 容量变化 (相对初始值): Capacitance change (relative to the initial value): $\Delta C/C \leq \pm 5\%$ 损耗角增加 Dissipation factor: Rise $\leq 0.0020$ (1KHz), $C_R > 1\mu F$
耐久性试验 Endurance Test	温度 Temp.: +85℃, 电压 Voltage: 1.25 Times Rated Voltage 持续时间 Duration Time: 1000H	绝缘电阻 Insulation Resistance IR: ≥ 额定值的 50% IR: ≥ 50% of rated value 损耗角增加: $\leq 0.0040$ dissipation factor rise: $\leq 0.0040$ 容量变化 (相对初始值): $\Delta C/C \leq \pm 10\%$ Capacitance change (relative to the initial value): $\Delta C/C \leq \pm 10\%$

### 产品编码说明 Part No. Description:

18 位产品编码如下:

The Part No. is total 18 digits, details as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
P	P	S	1	0	4	J	3	C	2	9	1	5	2	3	8	*	*

Digit 1-3	型号代码 Product series Code	PPS= CBB81 series
Digit 4-6	标称容量 Rated Capacitance Value	For example : 104 = $10 \times 10^4 \mu F = 0.1 \mu F$
Digit 7	容量偏差 Capacitance Tolerance	J=±5% K=±10%
Digit 8-9	额定电压 Rated Voltage Code	2J=630VDC 3A=1000VDC 3C=1600VDC 3D=2000VDC
Digit 10-15	外形尺寸 Dimensions Code	
Digit 16	线径代码 Line diameter code	6=0.6 8=0.8 1=1.0
Digit 17-18	成型或内部识别码 Forming Type or Internal Use	



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### 料号明细及尺寸 Part No. List and Dimensions

<b>U<sub>R</sub>:1000Vdc</b>							
成品编码 Part No.	系列 Series	容量 Capacitance (μF)	尺寸 Dimension (mm)				
			Wmax	Tmax	Hmax	P±0.5	Φd±0.05
PPS104J3A2608158LC	PPS	0.1	25	8	15	22.5	0.8
PPS104J3A2612198LC	PPS	0.1	25	12	19.5	22.5	0.8
PPS332J3A1307126LC	PPS	0.0033	13	6	11	10.0	0.6
PPS473J3A1913208LC	PPS	0.047	18	11.5	19	15.0	0.8
<b>U<sub>R</sub>:1250Vdc</b>							
成品编码 Part No.	系列 Series	容量 Capacitance (μF)	尺寸 Dimension (mm)				
			Wmax	Tmax	Hmax	P±0.5	Φd±0.05
PPS102J3B1909148LC	PPS	0.001	18	9.5	14.5	15.0	0.8
PPS104J3B2914218LC	PPS	0.1	28	12	19	25.0	0.8
PPS153J3B1908138LC	PPS	0.015	18	7.5	12.5	15.0	0.8
PPS154J3B2914208LC	PPS	0.15	28	12.5	18	25.0	0.8
PPS203J3B2408148LC	PPS	0.02	23	7.5	13.5	20.0	0.8
PPS224J3B2922278LC	PPS	0.2	28	18	26	25.0	0.8
PPS472J3B1309136LC	PPS	0.0047	13	5.5	9.5	10.0	0.6
PPS562J3B1307136LC	PPS	0.0056	13	6	12	10.0	0.6
<b>U<sub>R</sub>:1600Vdc</b>							
成品编码 Part No.	系列 Series	容量 Capacitance (μF)	尺寸 Dimension (mm)				
			Wmax	Tmax	Hmax	P±0.5	Φd±0.05
PPS103J3C1908158LC	PPS	0.01	18	8	14.5	15.0	0.8
PPS104J3C2914218LC	PPS	0.1	28	12.5	19.5	25.0	0.8
PPS203J3C2911178LC	PPS	0.02	28	9.5	16.5	25.0	0.8
PPS822K3C2408158LC	PPS	0.0082	23	8	15	20.0	0.8
<b>U<sub>R</sub>:2000Vdc</b>							
成品编码 Part No.	系列 Series	容量 Capacitance (μF)	尺寸 Dimension (mm)				
			Wmax	Tmax	Hmax	P±0.5	Φd±0.05
PPS151K3D1905106LC	PPS	0.00015	18	7.0	10.5	15.0	0.6
PPS223J3D2409148LC	PPS	0.022	23	9	14	20.0	0.8
PPS332J3D2408148LC	PPS	0.0033	23	8	13.5	20.0	0.8
PPS472J3D2410158LC	PPS	0.0047	23	8.5	15	20.0	0.8
PPS562J3D2407138LC	PPS	0.0056	23	8	12.5	20.0	0.8
PPS822J3D1911188LC	PPS	0.0082	18	9.5	16.5	15.0	0.8
<b>U<sub>R</sub>:2500Vdc</b>							
成品编码 Part No.	系列 Series	容量 Capacitance (μF)	尺寸 Dimension (mm)				
			Wmax	Tmax	Hmax	P±0.5	Φd±0.05
PPS102J3E1909148LC	PPS	0.001	18	10	15	15.0	0.8
PPS103J3E3509168LC	PPS	0.01	34	10	17	31.5	0.8



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■ 料号明细及尺寸 **Part No. List and Dimensions**

U <sub>R</sub> :3000Vdc							
成品编码 Part No.	系列 Series	容量 Capacitance ( $\mu$ F)	尺寸 Dimension (mm)				
			Wmax	Tmax	Hmax	P $\pm$ 0.5	$\Phi$ d $\pm$ 0.05
PPS682J3F2415228LC	PPS	0.0068	24	15	22	20.0	0.8

**Note: We can customize the capacitors according to customers special requirements.**