



# 金属化聚丙烯膜箔式高压盒装电容器---CBB81B(PPB)系列

Metallized Polypropylene Film And Foil Capacitors(Box )---CBB81B(PPB)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

封装: 阻燃环氧树脂, 符合 UL94 V-0

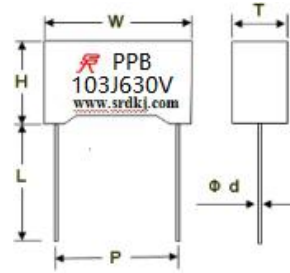
外壳: 阻燃 PBT 塑壳, 符合 UL94 V-0

Dielectric: Polypropylene film.

Electrode: metal vacuum evaporation layer.

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

Shell: imflame retardant PBT plastic shell, conforming to UL97 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

电子镇流器、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

体积小, 有良好自愈性能。高频损耗小, 温升低

高冲击强度。高频交流条件下有良好的耐电压性能。

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

high dielectric strength. Good property to withstand voltage at high frequency in alternating current occasion.

## 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~+85 ( 105)°C/56d				
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	0.0010μF~0.22μF 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	CR≤0.1μF IR≥30000MΩ CR>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)	P10	P15	P22.5	P27.5	P31.5
	1200	1500	1000	1000	1000



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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:

15 位产品编码如下:

The Part No. is total 15 digits, details as follow:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
P	P	B	1	0	3	J	3	A	D	2	R	8	*	*

- Digit 1-3 型号代码 Product Name Code PPB= CBB81B series
- Digit 4-6 标称容量 Rated Capacitance Value For example : 103 =  $10 \times 10^3 \mu F = 0.01 \mu F$
- Digit 7 容量偏差 Capacitance Tolerance J=±5% K=±10%
- Digit 8-9 额定电压 Rated Voltage Code 2J=630V 3A=1000V 3C=1600V 3D=2000V
- Digit 10-11 壳号 Plastic shell code
- Digit 12 塑壳颜色 Plastic Shell Color R = Grey Color with LOGO on the shell top
- Digit 13 线径代码 Line diameter code 6=0.6 8=0.8
- Digit 14-15 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

成品编码 Part No.	系列 Series	容量 Capacitance ( $\mu$ F)	尺寸 Dimension (mm)				
			W $\pm$ 0.5	T $\pm$ 0.5	H $\pm$ 0.5	P $\pm$ 0.5	$\Phi$ d $\pm$ 0.05
<b>U<sub>R</sub>:1000Vdc</b>							
PPB683K3AE6R8LC	CBB81B	0.068	26	12	21.5	22.5	0.8
<b>U<sub>R</sub>:2000Vdc</b>							
PPB102J3DD2R8LC	CBB81B	0.001	18	6	12	15.0	0.8
PPB103J3DE2R8LC	CBB81B	0.01	26.5	7	16.5	22.5	0.8
PPB153J3DE3R8LC	CBB81B	0.015	26.5	85	17	22.5	0.8
PPB183J3DE6R8LC	CBB81B	0.018	26	12	21.5	22.5	0.8

说明 Note: “\*\*\*”表示内部特征码

“\*\*\*”=Internal use.