



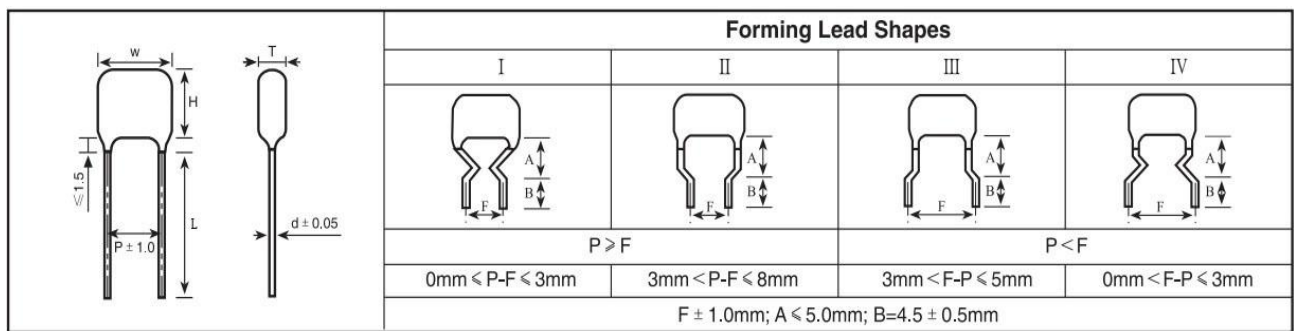
## 金属化聚丙烯膜电容器 CBB21 (MKP, MPP)

### Metallized Polypropylene Film Capacitor Type: CBB21

为无感结构,用金属化聚丙烯膜作为电介质/电极绕制或叠片而成,导线采用镀锡铜包钢线,使用环氧树脂包封。

Are non-inductively wound or stacked with metallized polypropylene film as dielectric/electrode with copper-clad steel leads and epoxy resin coating.

#### ◆ 外形图: Outline Drawing:



#### ◆ 特性:

- 损耗因素小、绝缘电阻高
- 电容量和损耗因素功能温度频率对比的稳定性高
- 高频损耗小/内部温升小

#### ◆ Features:

- Low dissipation factor high insulation resistance.
- High stability of capacitance and DF versus temperature and frequency.
- Low loss at high frequency/Small inherent temperature rise.

#### ◆ 主要用途:

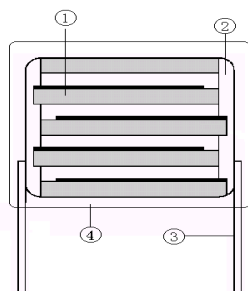
- 广泛用于高频、直流、交流和脉冲电路中。
- 适用于高频、大电流场合。
- 大屏幕显示器及彩电的 S 校正电路设计
- 电子设备,微分电机,电动工具,照明灯具,空调器,电冰箱,洗衣机等家用电器以及电力系统,电焊机

#### ◆ Typical Applications:

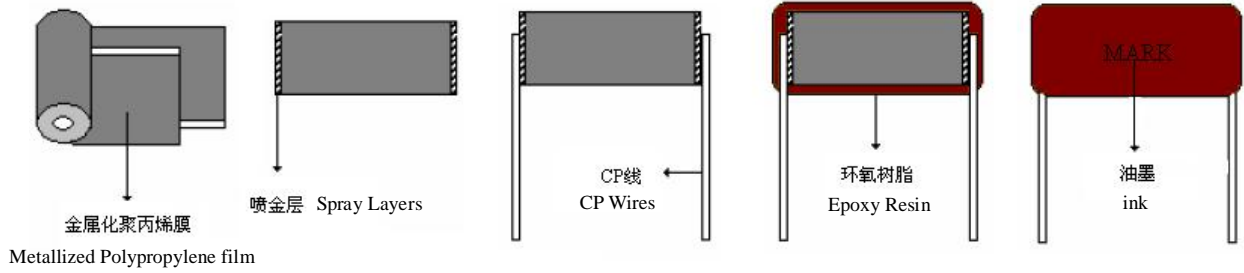
- Widely used in high frequency, DC, AC and pulse circuits.
- Suitable for the situation where applies high frequency and high current pulse.
- Large-screen displays and TV S correct circuit design
- Electronic devices, differential motor, electric tools, lighting, air conditioner, refrigerator, washing machine and household appliances and power system, Welding machine

#### ◆ 结构图:

structure chart:



- |           |                               |
|-----------|-------------------------------|
| ① 金属化聚丙烯膜 | Metallized Polypropylene film |
| ② 喷金层     | Spray Layers                  |
| ③ CP 线    | CP Wires                      |
| ④ 环氧树脂    | Epoxy Resin                   |



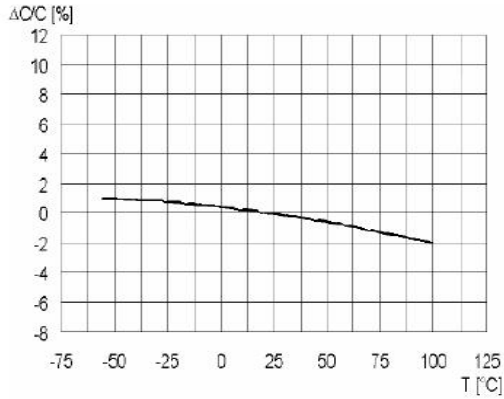
◆ 性能说明：  
Specification:

参考标准 Reference Standards:	GB10190-88, GB/T14579 (IEC60384-17)
额定电压: Rated Voltage(U <sub>R</sub> ):	100VDC; 250VDC; 400VDC; 630VDC; 1000VDC
气候类别 Climate Category	40/105/21
额定温度 Rated Temperature	85℃
温度范围 Operation Temperature Range:	-40℃ - +105℃ (+85℃ to +105℃, decreasing factor 1.25% per℃ for V <sub>R</sub> (dc))
电容量范围 Capacitance Range:	0.001 μF - 8.2 μF
电容量偏差范围 Capacitance Tolerance Range:	J(± 5%); K(± 10%); M (± 20%)
电介质 Dielectric:	聚丙烯膜 Polypropylene Film
损耗角正切: (25℃ ± 5℃) Dissipation Factor Tan δ :	C ≤ 1μF ≤ 0.1% (10KHZ) C > 1μF ≤ 0.1% (1KHZ)
绝缘电阻, 在引出端之间 Insulation Resistance(Between Terminals):	100VDC, Min C ≤ 0.33μF ≥ 50000MΩ > 0.33μF ≥ 15000 MΩ · S
耐电压 Withstand Voltage:	1.6UR(5S)
寿命试验: Life. Test Conditions:	85 ± 2℃, 1.25UR, 1,000Hours 电容变化率: 初始值的 ≤ ± 3% Capacitance Drift: ≤ ± 3% Of the initial value 损耗角正切 ≤ 原测量值的 50% (1KHz) Dissipation Factor ≤ 50% (1KHz)

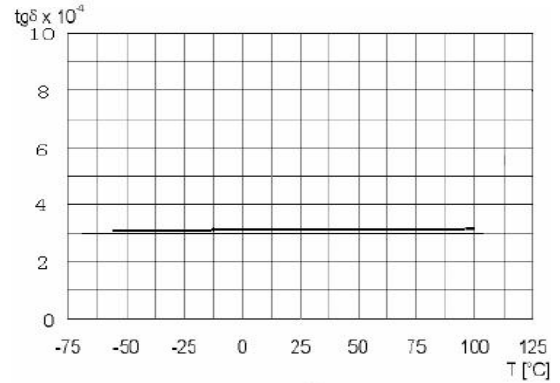


◆ 聚丙烯膜电容器特性曲线:

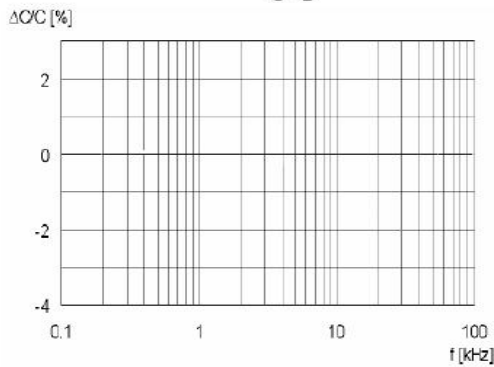
Polypropylene film capacitor characteristic curve:



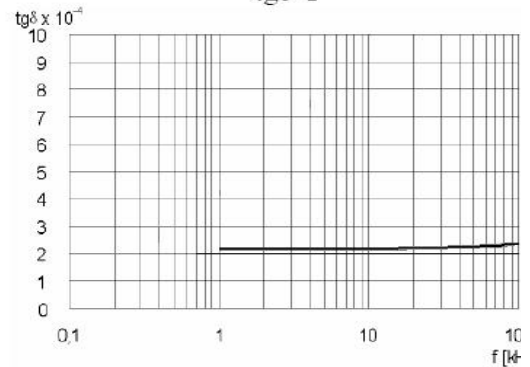
C-T



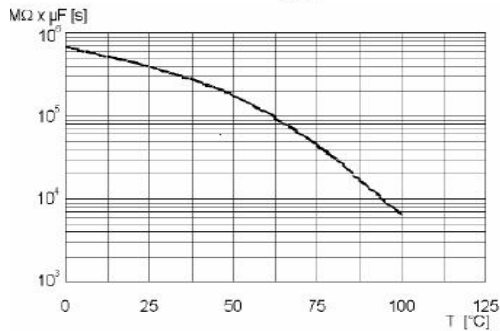
$\text{tg}\delta$ -T



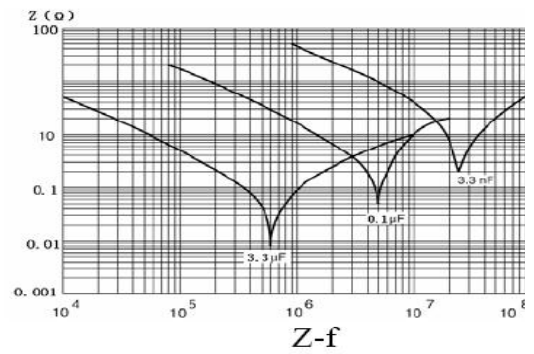
C-f



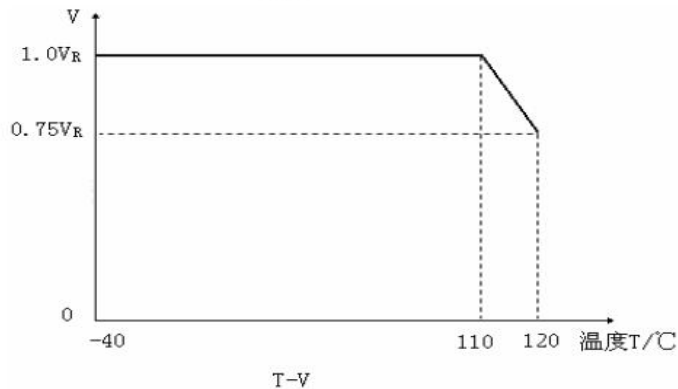
$\text{tg}\delta$ -f



R-T



Z-f



T-V



◆ 外形尺寸（mm）表

Dimension Lists (mm) Diagram

金属化聚丙烯膜电容器 CBB21 (MKP, MPP)  
Metallized Polypropylene Film Capacitor  
Type: CBB21



Cap Code	Part No	Dimensions (mm)			
		W±1.0	H±1.0	T ±1.0	P±0.5
100VDC(63VAC)/250VDC(106VAC)					
154	MPP154K(J)250V	11.5	10.5	6.5	10
400VDC(200VAC)					
223	MPP223K(J)400V	11.5	7.5	4	10
154	MPP154K(J)400V	11.5	8.5	5	10
224	MPP224K(J)400V	12.4	11.1	6.6	10
334	MPP334K(J)400V	12	12	8.2	10
474	MPP474K(J)400V	16.5	11.3	5.3	15
684	MPP684K(J)400V	16.5	13	7	15
105	MPP105K(J)400V	22	13	7	20
155	MPP155K(J)400V	19	17	10.3	15
225	MPP225K(J)400V	22	17	10	20
335	MPP335K(J)400V	21.6	12	19.5	20
475	MPP475K(J)400V	27	22.3	12.8	25
630VDC(220VAC)					
153	MPP153K(J)630V	11.5	9.5	5.5	10
223	MPP223K(J)630V	12	8	4.5	10
333	MPP333K(J)630V	11.5	8.5	5	10
104	MPP104K(J)630V	16.5	10.5	5.9	15
154	MPP154K(J)630V	16.5	12.5	8	15
224	MPP224K(J)630V	16.5	10.5	6	15
334	MPP334K(J)630V	16.7	11.5	6.4	15
474	MPP474K(J)630V	16.8	15.9	8.5	15
684	MPP684K(J)630V	16.8	15.6	8.6	15
105	MPP105K(J)630V	21.2	15.8	8.7	20
155	MPP155K(J)630V	29	19.5	10.5	27.5
225	MPP225K(J)630V	26.8	19.8	5.7	25
475	MPP475K(J)630V	32	23.5	14.5	31



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