

CBB28

Metallized Polypropylene Film Capacitors

## 金属化聚丙烯膜电容器

CBB28



### 产品特点.Characteristics

- 金属化聚丙烯膜内串式结构;
- 具有自愈性;
- 能承受较高的电压;
- 阻燃环氧树脂粉末包封。
- Metallized polypropylene inner series structure
- Self-healing
- It can be bear high voltage
- Flame retardant epoxy resin wrapping

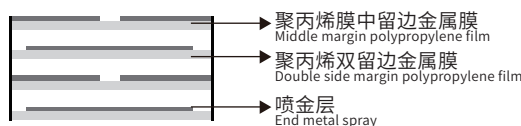
### 产品应用.Application

- 广泛应用于高频、直流和脉冲电路中;
- Widely used in high frequency, direct current and pulse circuits

### 性能参数.Technical Data

|  |                               |             |
|--|-------------------------------|-------------|
| ● 引用标准Reference Standard                 | GB/T 10190(IEC 60384-16)      |             |
| ● 气候类别 Climatic Category                 | 40/085/21                     |             |
| ● 工作温度范围Operating temperature range      | -40°C~85°C Tmax 105°C         |             |
| ● 额定电压Rated voltage                      | 100VDC、250VDC、400VDC、630VDC   |             |
| ● 电容量范围Capacitance range                 | 0.001 μF~0.68 μF              |             |
| ● 电容量偏差Capacitance tolerance             | ±5%(J); ±10%(K); ±20%(M)      |             |
| ● 耐电压Withstand voltage                   | 2UN 5S (at20±5°C)             |             |
| ● 损耗角正切Dissipation factor                | tgδ≤0.0010 (20°C, 1KHz)       |             |
| ● 绝缘电阻Insulation resistance              | ≥30000MΩ(at 20°C 100VDC 1Min) |             |
| ● 最大脉冲爬升速度Maximum Pulse Rise Time(dv/dt) | Un(VDC)                       | dv/dt(V/μS) |
|  | 630                           | 300         |
|  | 1000                          | 350         |
|  | 1250                          | 400         |

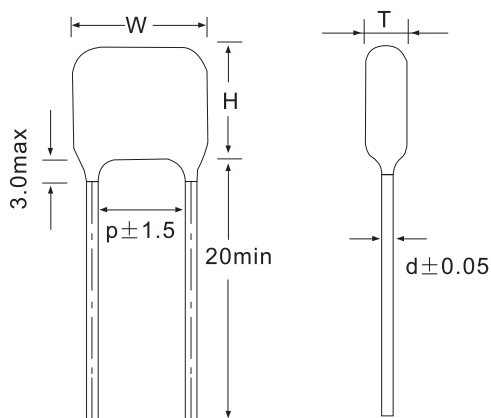
### 结构图.Construction Diagram



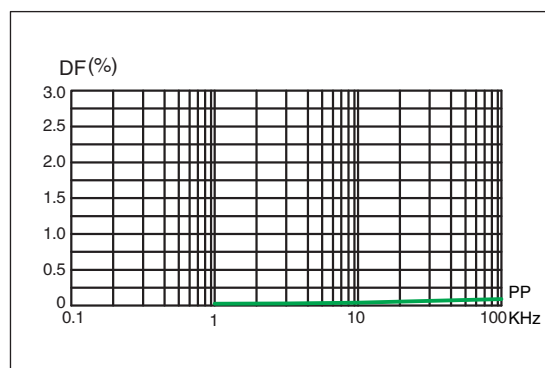
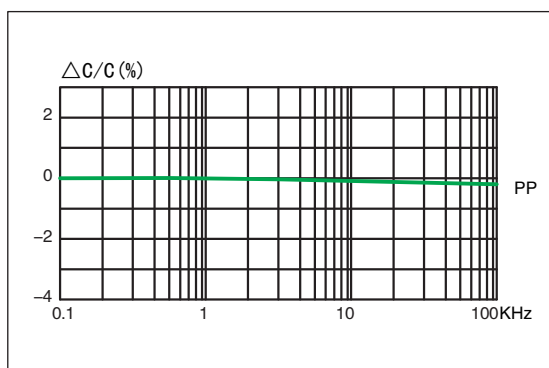
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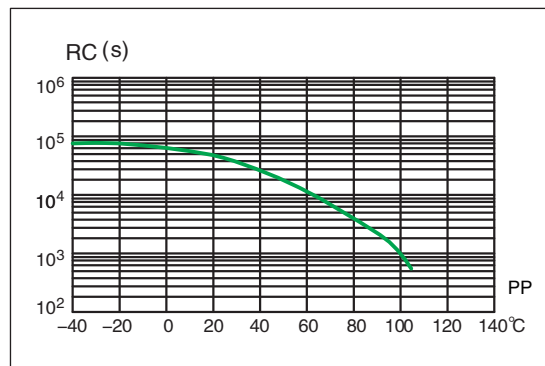
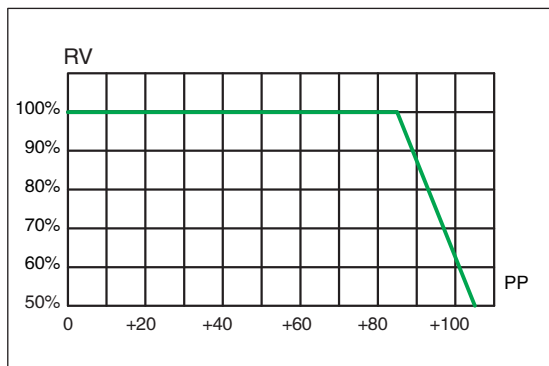
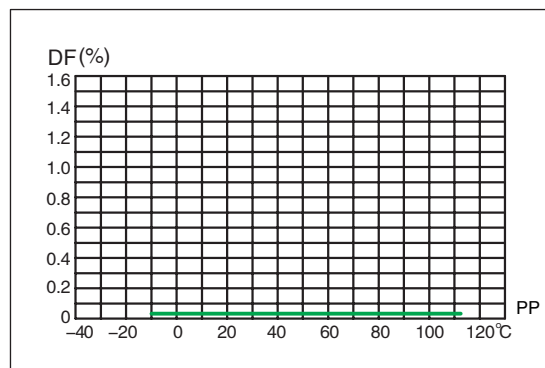
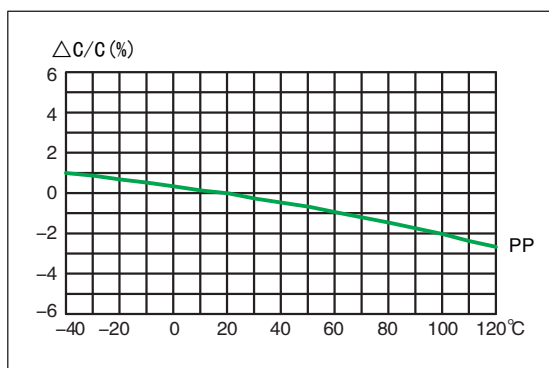
### 产品外形.Product Shape



### 频率特性.Temperature Characteristics



### 温度特性.Frequency Characteristics



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参数表.Article Table

## R 系列尺寸图

| Capacity<br>( $\mu\text{F}$ ) | 尺寸标注<br>Size mark | 630V |      |      |      |     | 1000V |      |      |      |     | 1250V |      |      |      |     |
|-------------------------------|-------------------|------|------|------|------|-----|-------|------|------|------|-----|-------|------|------|------|-----|
|                               |                   | Wmax | Hmax | Tmax | P    | d   | Wmax  | Hmax | Tmax | P    | d   | Wmax  | Hmax | Tmax | P    | d   |
| 0.0010                        | R                 | 13.0 | 5.5  | 10.0 | 10.0 | 0.6 | 13.0  | 5.0  | 9.0  | 10.0 | 0.6 | 13.0  | 5.0  | 9.0  | 10.0 | 0.6 |
| 0.0015                        | R                 | 13.0 | 6.0  | 10.0 | 10.0 | 0.6 | 13.0  | 6.0  | 10.0 | 10.0 | 0.6 | 13.0  | 6.0  | 10.0 | 10.0 | 0.6 |
| 0.0022                        | R                 | 13.0 | 6.0  | 10.0 | 10.0 | 0.6 | 13.0  | 6.0  | 10.0 | 10.0 | 0.6 | 13.0  | 6.0  | 10.0 | 10.0 | 0.6 |
| 0.0033                        | R                 | 13.0 | 5.5  | 10.0 | 10.0 | 0.6 | 13.0  | 5.5  | 9.5  | 10.0 | 0.6 | 13.0  | 5.5  | 9.5  | 10.0 | 0.6 |
| 0.0047                        | R                 | 13.0 | 6.0  | 10.5 | 10.0 | 0.6 | 13.0  | 6.0  | 10.0 | 10.0 | 0.6 | 13.0  | 6.0  | 10.0 | 10.0 | 0.6 |
| 0.0068                        | R                 | 13.0 | 6.5  | 10.5 | 10.0 | 0.6 | 13.0  | 6.5  | 10.5 | 10.0 | 0.6 | 13.0  | 6.5  | 10.5 | 10.0 | 0.6 |
| 0.0082                        | R                 | 13.0 | 7.0  | 11.5 | 10.0 | 0.6 | 13.0  | 7.0  | 11.5 | 10.0 | 0.6 | 13.0  | 7.0  | 11.5 | 10.0 | 0.6 |

## U 系列尺寸图

| Capacity<br>( $\mu\text{F}$ ) | 尺寸标注<br>Size mark | 630V |      |      |      |     | 1000V |      |      |      |     | 1250V |      |      |      |     |
|-------------------------------|-------------------|------|------|------|------|-----|-------|------|------|------|-----|-------|------|------|------|-----|
|                               |                   | Wmax | Hmax | Tmax | P    | d   | Wmax  | Hmax | Tmax | P    | d   | Wmax  | Hmax | Tmax | P    | d   |
| 0.0010                        | U                 | 13.0 | 5.0  | 9.5  | 10.0 | 0.6 | 13.0  | 5.0  | 9.0  | 10.0 | 0.6 | 13.0  | 5.0  | 9.0  | 10.0 | 0.6 |
| 0.0015                        | U                 | 13.0 | 5.0  | 9.5  | 10.0 | 0.6 | 13.0  | 5.0  | 9.5  | 10.0 | 0.6 | 13.0  | 5.0  | 9.5  | 10.0 | 0.6 |
| 0.0022                        | U                 | 13.0 | 5.0  | 9.5  | 10.0 | 0.6 | 13.0  | 5.5  | 9.5  | 10.0 | 0.6 | 13.0  | 5.5  | 9.5  | 10.0 | 0.6 |
| 0.0033                        | U                 | 13.0 | 5.0  | 9.5  | 10.0 | 0.6 | 13.0  | 5.0  | 9.0  | 10.0 | 0.6 | 13.0  | 5.0  | 9.0  | 10.0 | 0.6 |
| 0.0047                        | U                 | 13.0 | 5.5  | 10.0 | 10.0 | 0.6 | 13.0  | 5.5  | 10.0 | 10.0 | 0.6 | 13.0  | 5.5  | 10.0 | 10.0 | 0.6 |
| 0.0068                        | U                 | 13.0 | 6.0  | 10.0 | 10.0 | 0.6 | 13.0  | 6.0  | 10.0 | 10.0 | 0.6 | 13.0  | 6.0  | 10.0 | 10.0 | 0.6 |
| 0.0082                        | U                 | 13.0 | 6.5  | 11.0 | 10.0 | 0.6 | 13.0  | 6.5  | 11.0 | 10.0 | 0.6 | 13.0  | 6.5  | 11.0 | 10.0 | 0.6 |

以上表格/图形仅供参考,以实物为准。

The above table / graphics are for reference only, subject to the actual product (unit: mm)

## 特别说明:

R:出厂测试电压为耐压的2倍,体积较U产品略大

U:出厂测试电压为耐压的1.6倍,体积较R产品略小  
(产品体积详细参考以上表格内容)

## Remark:

The R: factory test voltage is 2 times the withstand voltage, and the volume is slightly larger than that of the U product.

The U: factory test voltage is 1.6 times the withstand voltage, and the volume is slightly smaller than that of the R product.  
(volume of products refer to the above table).