

CBB22

Metallized Polypropylene Film capacitors

金属化聚丙烯膜电容器

CBB22



产品特点.Characteristics

- 金属化聚丙烯膜材质;
  - 无感卷绕结构;
  - 阻燃环氧树脂粉末封装;
  - 耐压高, 损耗(tgδ)小; 内部温升低
- Metallized polypropylene film dielectric
  - Non-inductive winding structure
  - Flame retardant epoxy resin powder encapsulation
  - Resistance to high voltage, small tgδ, low temperature rise

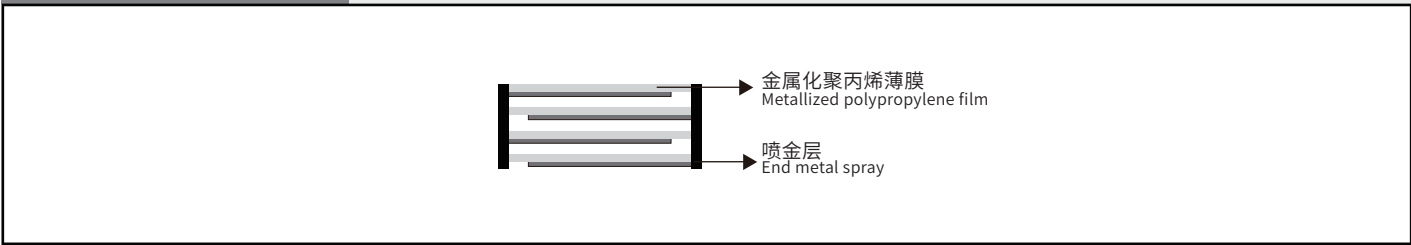
产品应用.Application

- 广泛应用于高频、直流、交流和脉冲电路中;
  - 显示器的S校正电路中;
- Widely used in High Frequency, DC, AC, Pulse Circuits
  - S-correction circuits of the display device

性能参数.Technical Data

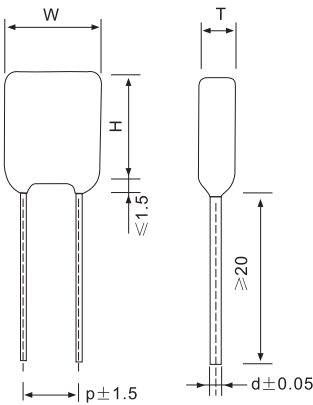
|                                           |                                          |              |      |      |      |
|-------------------------------------------|------------------------------------------|--------------|------|------|------|
| ● 引用标准 Reference Standards                | GB/T 10190(IEC 60384-16)                 |              |      |      |      |
| ● 气候类别 Climate Category                   | 40/085/21                                |              |      |      |      |
| ● 工作温度范围Operating Temperature Range       | -40℃~85℃                                 |              |      |      |      |
| ● 额定电压Rated Voltage                       | 100VDC、250VDC、400VDC、630VDC              |              |      |      |      |
| ● 电容量范围Capacitance Range                  | 0.01μF~20 μF                             |              |      |      |      |
| ● 电容量偏差Capacity Tolerance                 | ±5%(J); ±10%(K); ±20% (M)                |              |      |      |      |
| ● 耐电压Withstand Voltage                    | V <sub>tt</sub> : 1.6UN 5S (at20±5℃)     |              |      |      |      |
| ● 损耗角正切Dissipation Factor                 | tgδ≤0.0010 (20℃, 1KHz)                   |              |      |      |      |
| ● 绝缘电阻Insulation Resistance               | C≤0.33μF R≥100000MΩ(at20℃ 100VDC 1Min)   |              |      |      |      |
|                                           | C>0.33 μF RCN≥30000S (at20℃ 100VDC 1Min) |              |      |      |      |
| ● 最大脉冲爬升速度Maximum Pulse Rise Time (dV/dt) | U <sub>N</sub> (V)                       | dV/dt (V/μS) |      |      |      |
|                                           |                                          | P=7.5        | P=10 | P=15 | P=20 |
|                                           | 100VDC                                   | 120          | 110  | 100  | 70   |
|                                           | 250VDC                                   | 240          | 220  | 200  | 120  |
|                                           | 400VDC                                   | ---          | 330  | 300  | 180  |
|                                           | 630VDC                                   | ---          | 320  | 400  | 240  |

结构图.Construction Diagram

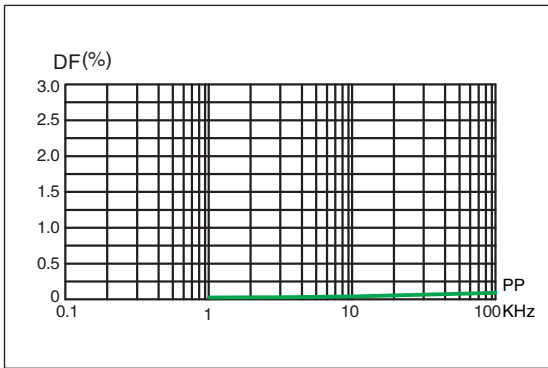
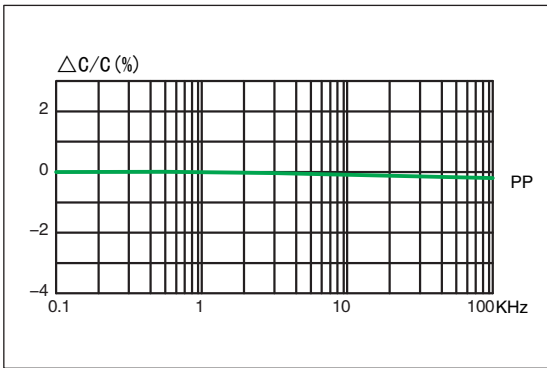


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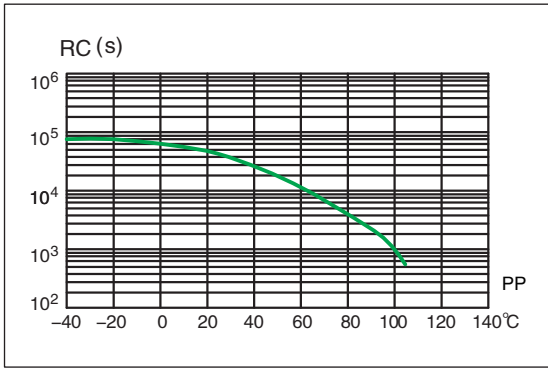
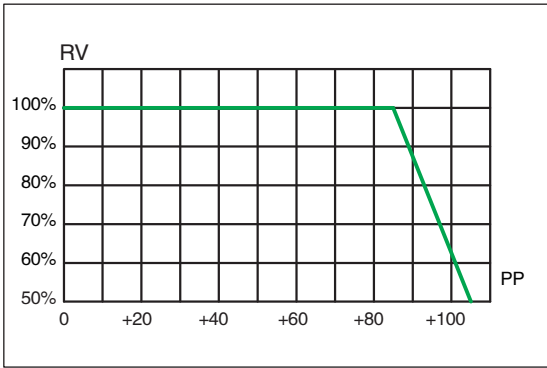
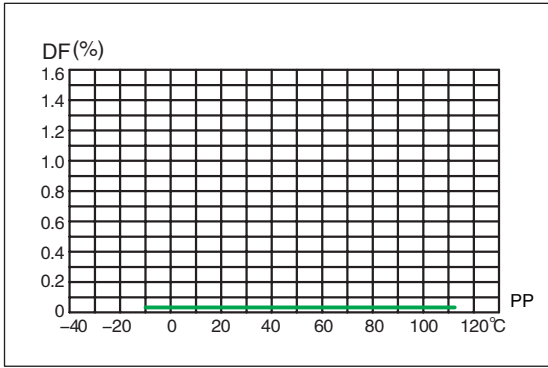
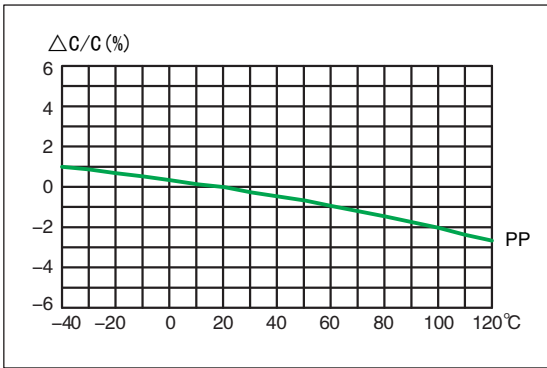
产品外形.Product Shape



频率特性.Temperature Characteristics



温度特性.Frequency Characteristics



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参数表.Article Table

| R 系列             |           |      |      |      |      |     |      |      |      |      |     |      |      |      |      |     |
|------------------|-----------|------|------|------|------|-----|------|------|------|------|-----|------|------|------|------|-----|
| Capacity<br>(μF) | 尺寸标注      | 250V |      |      |      |     | 400V |      |      |      |     | 630V |      |      |      |     |
|                  | Size mark | Wmax | Tmax | Hmax | P    | d   | Wmax | Tmax | Hmax | P    | d   | Wmax | Tmax | Hmax | P    | d   |
| 0.0100           | R         |      |      |      |      |     | 13.0 | 4.5  | 8.5  | 10.0 | 0.6 | 13.0 | 5.0  | 9.0  | 10.0 | 0.6 |
| 0.0150           | R         |      |      |      |      |     | 13.0 | 5.5  | 9.5  | 10.0 | 0.6 | 13.0 | 5.5  | 9.5  | 10.0 | 0.6 |
| 0.0220           | R         |      |      |      |      |     | 13.0 | 6.5  | 10.5 | 10.0 | 0.6 | 13.0 | 6.5  | 10.5 | 10.0 | 0.6 |
| 0.0330           | R         |      |      |      |      |     | 13.0 | 5.0  | 9.0  | 10.0 | 0.6 | 13.0 | 5.0  | 10.0 | 10.0 | 0.6 |
| 0.0470           | R         | 10.0 | 4.5  | 8.5  | 7.5  | 0.5 | 13.0 | 4.5  | 8.5  | 10.0 | 0.6 | 13.0 | 6.0  | 10.0 | 10.0 | 0.6 |
| 0.0680           | R         | 10.0 | 5.0  | 9.0  | 7.5  | 0.5 | 13.0 | 5.0  | 9.0  | 10.0 | 0.6 | 13.0 | 7.0  | 11.0 | 10.0 | 0.6 |
| 0.0820           | R         | 13.0 | 5.0  | 9.0  | 10.0 | 0.6 | 13.0 | 5.5  | 9.5  | 10.0 | 0.6 |      |      |      |      |     |
| 0.1000           | R         | 13.0 | 5.5  | 9.5  | 10.0 | 0.6 | 13.0 | 6.0  | 10.0 | 10.0 | 0.6 | 13.0 | 8.0  | 12.5 | 10.0 | 0.8 |
| 0.1500           | R         | 13.0 | 6.0  | 10.0 | 10.0 | 0.6 | 13.0 | 7.5  | 11.5 | 10.0 | 0.6 | 18.0 | 6.0  | 12.5 | 15.0 | 0.6 |
| 0.2200           | R         | 13.0 | 7.5  | 11.5 | 10.0 | 0.6 | 18.0 | 6.5  | 11.5 | 15.0 | 0.8 | 18.0 | 8.0  | 13.0 | 15.0 | 0.8 |
| 0.3300           | R         | 18.0 | 5.5  | 9.5  | 15.0 | 0.6 | 18.0 | 8.0  | 13.0 | 15.0 | 0.8 | 18.0 | 9.5  | 14.0 | 15.0 | 0.8 |
| 0.4700           | R         | 18.0 | 6.5  | 11.5 | 15.0 | 0.8 | 18.0 | 8.5  | 12.5 | 15.0 | 0.8 | 23.0 | 9.0  | 15.5 | 20.0 | 0.8 |
| 0.6800           | R         | 18.0 | 7.5  | 12.0 | 15.0 | 0.8 | 23.0 | 8.0  | 13.0 | 20.0 | 0.8 | 23.0 | 11.0 | 17.0 | 20.0 | 0.8 |
| 0.8200           | R         | 18.0 | 8.5  | 13.0 | 15.0 | 0.8 | 23.0 | 8.5  | 15.0 | 20.0 | 0.8 | 23.0 | 12.0 | 18.5 | 20.0 | 0.8 |
| 1.0000           | R         | 23.0 | 7.5  | 12.5 | 20.0 | 0.8 | 23.0 | 9.0  | 15.5 | 20.0 | 0.8 | 23.0 | 13.0 | 19.5 | 20.0 | 0.8 |
| 1.2000           | R         | 23.0 | 8.0  | 14.0 | 20.0 | 0.8 | 23.0 | 10.0 | 16.5 | 20.0 | 0.8 | 30.5 | 12.0 | 18.0 | 27.0 | 0.8 |
| 1.5000           | R         | 23.0 | 9.5  | 14.0 | 20.0 | 0.8 | 23.0 | 11.5 | 18.0 | 20.0 | 0.8 | 30.5 | 13.5 | 19.5 | 27.0 | 0.8 |
| 2.2000           | R         | 23.0 | 11.0 | 17.0 | 20.0 | 0.8 | 30.5 | 11.5 | 17.5 | 27.0 | 0.8 | 30.5 | 16.5 | 22.5 | 27.0 | 0.8 |
| 3.3000           | R         | 30.5 | 11.0 | 17.5 | 27.0 | 0.8 | 30.5 | 14.0 | 20.5 | 27.0 | 0.8 | 34.5 | 19.0 | 25.5 | 31.0 | 0.8 |
| 4.7000           | R         | 30.5 | 13.5 | 20.0 | 27.0 | 0.8 | 30.5 | 17.5 | 24.0 | 27.0 | 0.8 | 34.5 | 23.0 | 29.0 | 31.0 | 0.8 |
| 10.0000          | R         | 30.5 | 20.0 | 26.0 | 27.0 | 0.8 |      |      |      |      |     |      |      |      |      |     |

| Capacity<br>(μF) | 尺寸标注      | 250V |      |      |   |   | 400V |      |      |      |     | 630V |      |      |      |     |
|------------------|-----------|------|------|------|---|---|------|------|------|------|-----|------|------|------|------|-----|
|                  | Size mark | Wmax | Tmax | Hmax | P | d | Wmax | Tmax | Hmax | P    | d   | Wmax | Tmax | Hmax | P    | d   |
| 0.0470           | U         |      |      |      |   |   |      |      |      |      |     | 11.5 | 4.0  | 8.0  | 10.0 | 0.6 |
| 0.1000           | U         |      |      |      |   |   | 13.0 | 4.5  | 9.0  | 10.0 | 0.6 | 13.0 | 6.0  | 10.0 | 10.0 | 0.6 |
| 0.1500           | U         |      |      |      |   |   | 13.0 | 6.5  | 10.5 | 10.0 | 0.6 | 13.0 | 7.5  | 12.0 | 10.0 | 0.6 |
| 0.2200           | U         |      |      |      |   |   | 13.0 | 7.5  | 11.5 | 10.0 | 0.6 | 18.0 | 6.5  | 11.5 | 15.0 | 0.8 |
| 0.3300           | U         |      |      |      |   |   | 18.0 | 7.0  | 11.0 | 15.0 | 0.8 | 18.0 | 8.0  | 13.0 | 15.0 | 0.8 |
| 0.4700           | U         |      |      |      |   |   | 18.0 | 6.5  | 11.0 | 15.0 | 0.6 | 18.0 | 9.0  | 15.5 | 15.0 | 0.8 |
| 0.6800           | U         |      |      |      |   |   | 18.0 | 7.5  | 12.5 | 15.0 | 0.6 | 23.0 | 9.0  | 15.5 | 20.0 | 0.8 |
| 0.8200           | U         |      |      |      |   |   | 23.0 | 7.5  | 12.0 | 20.0 | 0.6 | 23.0 | 10.0 | 16.5 | 20.0 | 0.8 |
| 1.0000           | U         |      |      |      |   |   | 23.0 | 7.5  | 12.5 | 20.0 | 0.8 | 30.5 | 10.0 | 16.0 | 27.0 | 0.8 |
| 1.2000           | U         |      |      |      |   |   | 23.0 | 8.5  | 13.5 | 20.0 | 0.8 | 30.5 | 10.0 | 16.5 | 27.0 | 0.8 |
| 1.5000           | U         |      |      |      |   |   | 23.0 | 8.5  | 15.0 | 20.0 | 0.8 | 30.5 | 12.0 | 17.0 | 27.0 | 0.8 |
| 2.2000           | U         |      |      |      |   |   | 30.5 | 9.0  | 15.5 | 27.0 | 0.8 | 30.5 | 14.0 | 20.5 | 27.0 | 0.8 |
| 3.3000           | U         |      |      |      |   |   | 30.5 | 12.5 | 19.0 | 27.0 | 0.8 | 34.5 | 16.0 | 22.5 | 31.0 | 0.8 |
| 4.7000           | U         |      |      |      |   |   |      |      |      |      |     | 34.5 | 19.5 | 26.0 | 31.0 | 0.8 |

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：  
U系列产品较R系列产品的体积略小，产品性能达到GB/T 10190(IEC 60384-16)的标准  
Remark:  
The U series has a smaller volume than the R series products,  
and its product performance reaches GB/T 10190 (IEC 60384-16) standard.