



# 环氧粉末包封型金属化聚丙烯膜电容器---CBB21(MPP)系列

## Metallized Polypropylene Film Capacitors(Dipped )---CBB21(MPP)series

### 引用标准 Reference standards

GB10190(IEC384-16)

### 结构 Structure

介质：聚丙烯膜

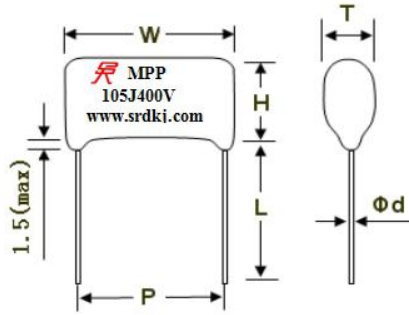
电极：金属真空蒸发层

封装：阻燃粉末环氧树脂，符合 UL94 V-0

Dielectric: Polypropylene film

Electrode: metal vacuum evaporation layer

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



### 典型应用 Typical Application

用于开关电源，电子镇流器和变频器等中间电路直流滤波（如 DC filter,DC-link,PFC 等）

As intermediate circuit capacitor for SMPS, LED driver, inverter (i.e. DC filter,DC-link, DC filter and P.F.C)

### 特点 Features

有良好自愈性能，缩小产品尺寸，高频损耗小，温升低

Reduced size depended on good self-healing property, low dissipation at high frequency, low temperature rise

### 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<br>Operating Temperature range         | -40°C--+105°C.<br>(+85°C~+105°C): decreasing factor 1.5% per °C for R.V(DC)<br>(+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                            | 400(450)VDC, 630VDC   |      |     |   |     |     |     |
| 容量误差 Capacitance Tolerance                    | J: ±5%  |      |     |   |     |     |     |
| 容量范围<br>Capacitance Range                     | 0.001μF~22μF<br>测试条件 Test Condition: 20°C, 1KHz, 1Vrms  |      |     |   |     |     |     |
| 耐电压<br>Withstand Voltage                      | 1.6U <sub>R</sub> ,5S   |      |     | 无击穿或飞弧<br>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<br>Insulation Resistance            | C <sub>R</sub> ≤0.33μF IR≥30000MΩ<br>C <sub>R</sub> >0.33μF IR≥10000S   |      |     | 测试条件 Test Condition :<br>20°C 100V 1 min  |     |     |     |
| 最大脉冲爬升速率<br>Max. Pulse Rise Time<br>(dV / dt) | U <sub>R</sub> (V)  | P7.5 | P10 | P15                                       | P20 | P25 | P31 |
|   | 400(450)V   | 120  | 80  | 65  | 35  | 20  | 10  |
|   | 630V  | 150  | 120 | 80  | 60  | 40  | 20  |



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### 电性能规范 Performance Specifications

|  |   |   |
|--|---|---|
| 稳态湿热<br>Steady-state<br>Damp-heat Test | 温度 Temp.: 40±2℃<br>相对湿度 Humidity: 93%RH<br>持续时间 Duration Time: 56 Days                  | 无可见损伤, 标志清晰<br>no visible damage, clear mark<br>绝缘电阻 IR: ≥ 额定值的 50%<br>IR: ≥ 50% of Rated value<br>容量变化 (相对初始值):<br>Capacitance change (relative to the initial value): $\Delta C/C \leq \pm 5\%$<br>损耗角增加 Dissipation factor:<br>Rise $\leq 0.0020$ (1KHz), $C_R > 1\mu F$ |
| 耐久性试验<br>Endurance Test                | 温度 Temp.: +85℃,<br>电压 Voltage:<br>1.25 Times Rated Voltage<br>持续时间 Duration Time: 1000H | 绝缘电阻 Insulation Resistance<br>IR: ≥ 额定值的 50%<br>IR: ≥ 50% of rated value<br>损耗角增加: $\leq 0.0040$<br>dissipation factor rise: $\leq 0.0040$<br>容量变化 (相对初始值): $\Delta C/C \leq \pm 10\%$<br>Capacitance change<br>(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 |
| M | P | P | 1 | 0 | 5 | J | 2 | G | 1  | 9  | 0  | 7  | 1  | 4  | 8  | *  | *  |

- Digit 1-3 型号代码 Product series Code MPP= CBB21 series
- Digit 4-6 标称容量 Rated Capacitance Value For example : 105 =  $10 \times 10^5 \mu F = 1.0 \mu F$
- Digit 7 容量偏差 Capacitance Tolerance J=±5%
- Digit 8-9 额定电压 Rated Voltage Code 2G=400VDC 2W=450VDC 2J=630VDC
- 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

| U <sub>R</sub> :250Vdc |              |                                 |                   |      |      |             |              |
|------------------------|--------------|---------------------------------|-------------------|------|------|-------------|--------------|
| 成品编码<br>Part No.       | 系列<br>Series | 容量<br>Capacitance<br>( $\mu$ F) | 尺寸 Dimension (mm) |      |      |             |              |
|                        |              |                                 | Wmax              | Tmax | Hmax | P $\pm$ 0.5 | d $\pm$ 0.05 |
| MPP104J2E1303075LC     | CBB21        | 0.1                             | 13                | 4.5  | 8    | 10          | 0.5          |
| MPP104J2E1304095LC     | CBB21        | 0.1                             | 13                | 5    | 9.5  | 10          | 0.5          |
| MPP104J2E1305085LC     | CBB21        | 0.1                             | 13                | 5    | 9    | 10          | 0.5          |
| MPP104J2E1305105LC     | CBB21        | 0.1                             | 13                | 5.5  | 10.5 | 10          | 0.5          |
| MPP104J2E1005105LC     | CBB21        | 0.1                             | 10                | 5.5  | 10.5 | 7.5         | 0.5          |
| MPP105J2E1310186LC     | CBB21        | 1.0                             | 13                | 9.5  | 18   | 10          | 0.6          |
| MPP105J2E1907138LC     | CBB21        | 1.0                             | 13                | 7.5  | 13.5 | 10          | 0.8          |
| MPP105J2E1907148LC     | CBB21        | 1.0                             | 18                | 7.5  | 14.5 | 15          | 0.8          |
| MPP105J2E1909168LC     | CBB21        | 1.0                             | 18                | 9    | 16   | 15          | 0.8          |
| MPP105J2E1910178LC     | CBB21        | 1.0                             | 18                | 9.5  | 16   | 15          | 0.8          |
| MPP105J2E2408158LC     | CBB21        | 1.0                             | 23                | 7.5  | 14   | 20          | 0.8          |
| MPP105J2E2410178LC     | CBB21        | 1.0                             | 23                | 9.5  | 16.5 | 20          | 0.8          |
| MPP124J2E1004095LC     | CBB21        | 0.12                            | 10                | 5    | 10   | 7.5         | 0.5          |
| MPP124J2E1303075LC     | CBB21        | 0.12                            | 13                | 4.5  | 8.5  | 10          | 0.5          |
| MPP125J2E1907158LC     | CBB21        | 1.2                             | 18                | 8    | 16   | 15          | 0.5          |
| MPP153J2E1305105LC     | CBB21        | 0.015                           | 13                | 6.5  | 11   | 10          | 0.5          |
| MPP154J2E1304085LC     | CBB21        | 0.15                            | 13                | 4.5  | 9.5  | 10          | 0.5          |
| MPP154J2E1305105LC     | CBB21        | 0.15                            | 13                | 5.5  | 10.5 | 10          | 0.5          |
| MPP154J2E1307126LC     | CBB21        | 0.15                            | 13                | 7    | 12   | 10          | 0.6          |
| MPP155J2E1908168LC     | CBB21        | 1.5                             | 18                | 8.5  | 17   | 15          | 0.8          |
| MPP155J2E2410168LC     | CBB21        | 1.5                             | 23                | 9.5  | 16   | 20          | 0.8          |
| MPP184J2E1304095LC     | CBB21        | 0.18                            | 13                | 5    | 10   | 10          | 0.5          |
| MPP184J2E1306116LC     | CBB21        | 0.18                            | 13                | 6    | 10.5 | 10          | 0.6          |
| MPP185J2E1909178LC     | CBB21        | 1.8                             | 18                | 9.5  | 18   | 15          | 0.8          |
| MPP205J2E3109168LC     | CBB21        | 2.0                             | 30                | 9    | 16.5 | 27.5        | 0.8          |
| MPP224J2E1304095LC     | CBB21        | 0.22                            | 13                | 5.5  | 10.5 | 10          | 0.5          |
| MPP224J2E1305105LC     | CBB21        | 0.22                            | 13                | 5    | 10   | 10          | 0.5          |
| MPP224J2E1305125LC     | CBB21        | 0.22                            | 13                | 5.5  | 11.5 | 10          | 0.5          |
| MPP224J2E1306116LC     | CBB21        | 0.22                            | 13                | 6    | 11   | 10          | 0.6          |
| MPP224J2E1906116LC     | CBB21        | 0.22                            | 18                | 6.5  | 11.5 | 15          | 0.6          |
| MPP224J2E1907138LC     | CBB21        | 0.22                            | 18                | 7    | 12.5 | 15          | 0.8          |
| MPP225J2E2411208LC     | CBB21        | 2.2                             | 23                | 10.5 | 18.5 | 20          | 0.8          |
| MPP255J2E2412208LC     | CBB21        | 2.5                             | 23                | 12   | 20   | 20          | 0.8          |



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

| U <sub>R</sub> :250Vdc |              |                                 |                   |      |      |             |              |
|------------------------|--------------|---------------------------------|-------------------|------|------|-------------|--------------|
| 成品编码<br>Part No.       | 系列<br>Series | 容量<br>Capacitance<br>( $\mu$ F) | 尺寸 Dimension (mm) |      |      |             |              |
|                        |              |                                 | Wmax              | Tmax | Hmax | P $\pm$ 0.5 | d $\pm$ 0.05 |
| MPP274J2E1005125LC     | CBB21        | 0.27                            | 10                | 6.5  | 13   | 7.5         | 0.5          |
| MPP275J2E3110188LC     | CBB21        | 2.7                             | 30                | 9.8  | 17.5 | 27.5        | 0.8          |
| MPP333J2E1305105LC     | CBB21        | 0.033                           | 13                | 5    | 10   | 10          | 0.5          |
| MPP334J2E1006135LC     | CBB21        | 0.33                            | 10                | 7    | 14   | 7.5         | 0.5          |
| MPP334J2E1305125LC     | CBB21        | 0.33                            | 13                | 6    | 12.5 | 10          | 0.5          |
| MPP334J2E1308136LC     | CBB21        | 0.33                            | 13                | 7    | 12   | 10          | 0.6          |
| MPP334J2E1904096LC     | CBB21        | 0.33                            | 18                | 5    | 10   | 15          | 0.6          |
| MPP334J2E1906116LC     | CBB21        | 0.33                            | 18                | 5.5  | 11   | 15          | 0.6          |
| MPP335J2E1912228LC     | CBB21        | 3.3                             | 18                | 13   | 23   | 15          | 0.8          |
| MPP335J2E2414228LC     | CBB21        | 3.3                             | 23                | 13   | 21   | 20          | 0.8          |
| MPP393J2E1305105LC     | CBB21        | 0.39                            | 13                | 5.5  | 10   | 10          | 0.5          |
| MPP394J2E1305125LC     | CBB21        | 0.39                            | 13                | 6.5  | 13   | 10          | 0.5          |
| MPP394J2E1904096LC     | CBB21        | 0.39                            | 18                | 5.5  | 10.5 | 15          | 0.6          |
| MPP473J2E1304075LC     | CBB21        | 0.047                           | 13                | 5    | 8    | 10          | 0.5          |
| MPP473J2E1304095LC     | CBB21        | 0.047                           | 13                | 5    | 10   | 10          | 0.5          |
| MPP474J2E1308156LC     | CBB21        | 0.47                            | 13                | 8    | 15   | 10          | 0.6          |
| MPP474J2E1906116LC     | CBB21        | 0.47                            | 18                | 6.5  | 11.5 | 15          | 0.6          |
| MPP475J2E2915238LC     | CBB21        | 4.7                             | 28                | 14   | 22.5 | 25          | 0.8          |
| MPP563J2E1304085LC     | CBB21        | 0.056                           | 13                | 5    | 8.5  | 10          | 0.5          |
| MPP564J2E1306146LC     | CBB21        | 0.56                            | 13                | 7    | 15.5 | 10          | 0.6          |
| MPP683J2E1305095LC     | CBB21        | 0.068                           | 13                | 5.5  | 9.5  | 10          | 0.5          |
| MPP684J2E1308166LC     | CBB21        | 0.68                            | 13                | 8    | 16   | 10          | 0.6          |
| MPP684J2E1905125LC     | CBB21        | 0.68                            | 13                | 6    | 13.5 | 10          | 0.5          |
| MPP823J2E1304075LC     | CBB21        | 0.082                           | 13                | 5    | 8    | 10          | 0.5          |
| MPP823J2E1306116LC     | CBB21        | 0.082                           | 13                | 5.6  | 10.7 | 10          | 0.6          |
| MPP824J2E1309176LC     | CBB21        | 0.82                            | 13                | 8.5  | 17   | 10          | 0.6          |
| MPP824J2E1906136LC     | CBB21        | 0.82                            | 18                | 7    | 14   | 15          | 0.6          |



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Metallized Polypropylene Film Capacitors(Dipped )---CBB21(MPP)series

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

| U <sub>R</sub> :400Vdc |              |                                 |                   |      |      |             |              |
|------------------------|--------------|---------------------------------|-------------------|------|------|-------------|--------------|
| 成品编码<br>Part No.       | 系列<br>Series | 容量<br>Capacitance<br>( $\mu$ F) | 尺寸 Dimension (mm) |      |      |             |              |
|                        |              |                                 | Wmax              | Tmax | Hmax | P $\pm$ 0.5 | d $\pm$ 0.05 |
| MPP104J2E1303075LC     | CBB21        | 0.1                             | 13                | 4.5  | 8    | 10          | 0.5          |
| MPP104J2E1304095LC     | CBB21        | 0.1                             | 13                | 5    | 9.5  | 10          | 0.5          |
| MPP104J2E1305085LC     | CBB21        | 0.1                             | 13                | 5    | 9    | 10          | 0.5          |
| MPP104J2E1305105LC     | CBB21        | 0.1                             | 13                | 5.5  | 10.5 | 10          | 0.5          |
| MPP104J2E1005105LC     | CBB21        | 0.1                             | 10                | 5.5  | 10.5 | 7.5         | 0.5          |
| MPP105J2E1310186LC     | CBB21        | 1.0                             | 13                | 9.5  | 18   | 10          | 0.6          |
| MPP105J2E1907138LC     | CBB21        | 1.0                             | 18                | 7.5  | 13.5 | 15          | 0.8          |
| MPP105J2E1907148LC     | CBB21        | 1.0                             | 18                | 7.5  | 14.5 | 15          | 0.8          |
| MPP105J2E1909168LC     | CBB21        | 1.0                             | 18                | 9    | 16   | 15          | 0.8          |
| MPP105J2E1910178LC     | CBB21        | 1.0                             | 18                | 9.5  | 16   | 15          | 0.8          |
| MPP105J2E2408158LC     | CBB21        | 1.0                             | 23                | 7.5  | 14   | 20          | 0.8          |
| MPP105J2E2410178LC     | CBB21        | 1.0                             | 23                | 9.5  | 16.5 | 20          | 0.8          |
| MPP124J2E1004095LC     | CBB21        | 0.12                            | 10                | 5    | 10   | 7.5         | 0.5          |
| MPP124J2E1303075LC     | CBB21        | 0.12                            | 13                | 4.5  | 8.5  | 10          | 0.5          |
| MPP125J2E1907158LC     | CBB21        | 1.2                             | 18                | 8    | 16   | 15          | 0.5          |
| MPP103K2E1004075LC     | CBB21        | 0.01                            | 10                | 5.5  | 8.5  | 7.5         | 0.5          |
| MPP104K2E1304085LC     | CBB21        | 0.1                             | 13                | 5.5  | 8.5  | 10          | 0.5          |
| MPP104K2E1305105LC     | CBB21        | 0.1                             | 13                | 5.5  | 10.5 | 10          | 0.5          |
| MPP104K2E1005105LC     | CBB21        | 0.1                             | 10                | 5.5  | 10.5 | 7.5         | 0.5          |
| MPP105K2E1910178LC     | CBB21        | 1.0                             | 18                | 9    | 16   | 15          | 0.8          |
| MPP105K2E2408158LC     | CBB21        | 1.0                             | 23                | 7.5  | 14   | 20          | 0.8          |
| MPP125K2E1911188LC     | CBB21        | 1.2                             | 23                | 10.5 | 17   | 20          | 0.8          |
| MPP154K2E1307126LC     | CBB21        | 0.15                            | 13                | 7    | 12   | 10          | 0.6          |
| MPP154K2E1006115LC     | CBB21        | 0.15                            | 10                | 6    | 11   | 7.5         | 0.5          |
| MPP205K2E2411198LC     | CBB21        | 2.0                             | 23                | 10.5 | 18.5 | 20          | 0.8          |
| MPP223K2E1006095LC     | CBB21        | 0.022                           | 10                | 6    | 10   | 7.5         | 0.5          |
| MPP224K2E1305125LC     | CBB21        | 0.22                            | 13                | 5    | 11.5 | 10          | 0.5          |
| MPP224K2E1306116LC     | CBB21        | 0.22                            | 13                | 6    | 11   | 10          | 0.6          |
| MPP224K2E1907128LC     | CBB21        | 0.22                            | 18                | 7    | 12.5 | 15          | 0.8          |
| MPP225K2E2411208LC     | CBB21        | 2.2                             | 23                | 10.5 | 18.5 | 20          | 0.8          |
| MPP225K2E2613228LC     | CBB21        | 2.2                             | 25                | 12   | 22   | 22.5        | 0.8          |
| MPP225K2E2909188LC     | CBB21        | 2.2                             | 28                | 9    | 18   | 25          | 0.8          |
| MPP473K2E1304095LC     | CBB21        | 0.047                           | 13                | 5    | 9.5  | 10          | 0.8          |



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

| U <sub>R</sub> :400Vdc |              |                                 |                   |      |      |             |              |
|------------------------|--------------|---------------------------------|-------------------|------|------|-------------|--------------|
| 成品编码<br>Part No.       | 系列<br>Series | 容量<br>Capacitance<br>( $\mu$ F) | 尺寸 Dimension (mm) |      |      |             |              |
|                        |              |                                 | Wmax              | Tmax | Hmax | P $\pm$ 0.5 | d $\pm$ 0.05 |
| MPP103J2G1305085LC     | CBB21        | 0.01                            | 13                | 5.5  | 8.5  | 10.0        | 0.5          |
| MPP103J2G1304075LC     | CBB21        | 0.01                            | 13                | 4.5  | 8.0  | 10.0        | 0.5          |
| MPP104J2G1004075LC     | CBB21        | 0.1                             | 10                | 4.5  | 8.0  | 7.5         | 0.5          |
| MPP104J2G1006095LC     | CBB21        | 0.1                             | 10                | 5.5  | 9.0  | 7.5         | 0.5          |
| MPP104J2G1305085LC     | CBB21        | 0.1                             | 13                | 5.0  | 9.0  | 10.0        | 0.5          |
| MPP104J2G1305105LC     | CBB21        | 0.1                             | 13                | 5.5  | 10.5 | 10.0        | 0.5          |
| MPP123J2G1305085LC     | CBB21        | 0.012                           | 13                | 5.5  | 9.0  | 10.0        | 0.5          |
| MPP124J2G1304075LC     | CBB21        | 0.12                            | 13                | 5.0  | 8.5  | 10.0        | 0.5          |
| MPP124J2G1305105LC     | CBB21        | 0.12                            | 13                | 5.5  | 10.5 | 10.0        | 0.5          |
| MPP153J2G1303075LC     | CBB21        | 0.015                           | 13                | 5.0  | 7.5  | 10.0        | 0.5          |
| MPP154J2G1005085LC     | CBB21        | 0.15                            | 10                | 6.0  | 9.5  | 7.5         | 0.5          |
| MPP154J2G1305105LC     | CBB21        | 0.15                            | 13                | 5.0  | 10   | 10.0        | 0.5          |
| MPP183J2G1005095LC     | CBB21        | 0.018                           | 10                | 6.0  | 9.5  | 7.5         | 0.5          |
| MPP184J2G1305125LC     | CBB21        | 0.18                            | 13                | 5.0  | 12.0 | 10.0        | 0.5          |
| MPP222J2G1305085LC     | CBB21        | 0.0022                          | 13                | 5.5  | 9.0  | 10.0        | 0.5          |
| MPP223J2G1304095LC     | CBB21        | 0.022                           | 13                | 4.5  | 8.5  | 10.0        | 0.5          |
| MPP224J2G1305095LC     | CBB21        | 0.22                            | 13                | 6.0  | 10.5 | 10.0        | 0.5          |
| MPP224J2G1305145LC     | CBB21        | 0.22                            | 13                | 5.5  | 13.0 | 10.0        | 0.5          |
| MPP273J2G1305095LC     | CBB21        | 0.027                           | 13                | 5.5  | 9.0  | 10.0        | 0.5          |
| MPP274J2G1305105LC     | CBB21        | 0.27                            | 13                | 6.0  | 11.5 | 10.0        | 0.5          |
| MPP332J2G1304075LC     | CBB21        | 0.0033                          | 13                | 5.0  | 8.0  | 10.0        | 0.5          |
| MPP333J2G1305095LC     | CBB21        | 0.033                           | 13                | 5.0  | 10.0 | 10.0        | 0.5          |
| MPP334J2G1305115LC     | CBB21        | 0.33                            | 13                | 6.5  | 11.5 | 10.0        | 0.5          |
| MPP472J2G1304085LC     | CBB21        | 0.0047                          | 13                | 5.0  | 8.0  | 10.0        | 0.5          |
| MPP472J2G1305085LC     | CBB21        | 0.0047                          | 13                | 5.0  | 8.0  | 10.0        | 0.5          |
| MPP473J2G1304095LC     | CBB21        | 0.047                           | 13                | 4.5  | 9.5  | 10.0        | 0.5          |
| MPP473J2G1305105LC     | CBB21        | 0.047                           | 13                | 5.5  | 10.5 | 10.0        | 0.5          |
| MPP563J2G1304085LC     | CBB21        | 0.056                           | 13                | 5    | 8.5  | 10.0        | 0.5          |
| MPP682J2G1304075LC     | CBB21        | 0.0068                          | 13                | 4.5  | 7.0  | 10.0        | 0.5          |
| MPP683J2G1305095LC     | CBB21        | 0.068                           | 13                | 5.5  | 9.5  | 10.0        | 0.5          |
| MPP683J2G1305105LC     | CBB21        | 0.068                           | 13                | 5.5  | 10.5 | 10.0        | 0.5          |
| MPP823J2G1305105LC     | CBB21        | 0.082                           | 13                | 5.5  | 10.5 | 10.0        | 0.5          |
| MPP102K2G1304075LC     | CBB21        | 0.001                           | 13                | 5.0  | 7.5  | 10.0        | 0.5          |



## 环氧粉末包封型金属化聚丙烯膜电容器---CBB21(MPP)系列

Metallized Polypropylene Film Capacitors(Dipped )---CBB21(MPP)series

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

| U <sub>R</sub> :400Vdc |              |                                 |                   |      |      |             |              |
|------------------------|--------------|---------------------------------|-------------------|------|------|-------------|--------------|
| 成品编码<br>Part No.       | 系列<br>Series | 容量<br>Capacitance<br>( $\mu$ F) | 尺寸 Dimension (mm) |      |      |             |              |
|                        |              |                                 | Wmax              | Tmax | Hmax | P $\pm$ 0.5 | d $\pm$ 0.05 |
| MPP103K2G1305085LC     | CBB21        | 0.01                            | 13                | 5.5  | 8.5  | 10.0        | 0.5          |
| MPP104K2G1305085LC     | CBB21        | 0.1                             | 13                | 5.5  | 10.5 | 10.0        | 0.5          |
| MPP104K2G1305105LC     | CBB21        | 0.1                             | 13                | 5.2  | 10.5 | 10.0        | 0.5          |
| MPP104K2G1306126LC     | CBB21        | 0.1                             | 13                | 5.5  | 10.5 | 10.0        | 0.6          |
| MPP104K2G1907128LC     | CBB21        | 0.1                             | 18                | 7.0  | 12.0 | 15.0        | 0.8          |
| MPP104K2G1006095LC     | CBB21        | 0.1                             | 10                | 5.5  | 9.0  | 7.5         | 0.5          |
| MPP105K2G1909178LC     | CBB21        | 1.0                             | 18                | 9.0  | 15.5 | 15.0        | 0.8          |
| MPP105K2G1910178LC     | CBB21        | 1.0                             | 18                | 9.5  | 16.0 | 15.0        | 0.8          |
| MPP105K2G2409178LC     | CBB21        | 1.0                             | 23                | 8.5  | 16.5 | 20.0        | 0.8          |
| MPP154K2G1305105LC     | CBB21        | 0.15                            | 13                | 5.5  | 10.5 | 10.0        | 0.5          |
| MPP154K2G1307126LC     | CBB21        | 0.15                            | 13                | 6.5  | 11.5 | 10.0        | 0.6          |
| MPP155K2G2412208LC     | CBB21        | 1.5                             | 23                | 12.0 | 20.0 | 20.0        | 0.8          |
| MPP205K2G2414228LC     | CBB21        | 2.0                             | 23                | 13.0 | 22.0 | 20.0        | 0.8          |
| MPP222K2G1305085LC     | CBB21        | 0.0022                          | 13                | 5.5  | 9.0  | 10.0        | 0.5          |
| MPP224K2G1305125LC     | CBB21        | 0.22                            | 13                | 5    | 11.5 | 10.0        | 0.5          |
| MPP224K2G1306116LC     | CBB21        | 0.22                            | 13                | 5.5  | 11.0 | 10.0        | 0.6          |
| MPP224K2G1907138LC     | CBB21        | 0.22                            | 18                | 7.0  | 12.5 | 15.0        | 0.8          |
| MPP225K2G2414238LC     | CBB21        | 2.2                             | 23                | 14.0 | 23.0 | 20.0        | 0.8          |
| MPP225K2G3112208LC     | CBB21        | 2.2                             | 30                | 11.5 | 19.5 | 27.5        | 0.8          |
| MPP305K2G3114238LC     | CBB21        | 3.0                             | 30                | 13.5 | 23.2 | 27.5        | 0.8          |
| MPP333K2G1305105LC     | CBB21        | 0.033                           | 13                | 5.0  | 10.0 | 10.0        | 0.5          |
| MPP334K2G1906136LC     | CBB21        | 0.33                            | 18                | 6.0  | 12.5 | 15.0        | 0.6          |
| MPP334K2G1908158LC     | CBB21        | 0.33                            | 18                | 8.0  | 15.0 | 15.0        | 0.8          |
| MPP335K2G2912208LC     | CBB21        | 3.3                             | 28                | 12.5 | 20.0 | 25.0        | 0.8          |
| MPP335K2G3115238LC     | CBB21        | 3.3                             | 30                | 15.0 | 23.0 | 27.5        | 0.8          |
| MPP472K2G1304085LC     | CBB21        | 0.0047                          | 13                | 5.0  | 8.0  | 10.0        | 0.5          |
| MPP473K2G1304095LC     | CBB21        | 0.047                           | 13                | 5.0  | 9.5  | 10.0        | 0.5          |
| MPP473K2G1305105LC     | CBB21        | 0.047                           | 13                | 5.5  | 10.5 | 10.0        | 0.5          |
| MPP473K2G1005105LC     | CBB21        | 0.047                           | 10                | 5.5  | 10.5 | 7.5         | 0.5          |
| MPP474K2G1311146LC     | CBB21        | 0.47                            | 13                | 9.5  | 13.5 | 10.0        | 0.6          |
| MPP474K2G1906136LC     | CBB21        | 0.47                            | 18                | 6.0  | 12.5 | 15.0        | 0.6          |
| MPP474K2G1908158LC     | CBB21        | 0.47                            | 18                | 8.0  | 14.5 | 15.0        | 0.8          |
| MPP474K2G1909148LC     | CBB21        | 0.47                            | 18                | 8.5  | 13.5 | 15.0        | 0.8          |



# 环氧粉末包封型金属化聚丙烯膜电容器---CBB21(MPP)系列

Metallized Polypropylene Film Capacitors(Dipped )---CBB21(MPP)series

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

| U <sub>R</sub> :400Vdc |              |                                 |                   |      |      |             |              |
|------------------------|--------------|---------------------------------|-------------------|------|------|-------------|--------------|
| 成品编码<br>Part No.       | 系列<br>Series | 容量<br>Capacitance<br>( $\mu$ F) | 尺寸 Dimension (mm) |      |      |             |              |
|                        |              |                                 | Wmax              | Tmax | Hmax | P $\pm$ 0.5 | d $\pm$ 0.05 |
| MPP475K2G3516248LC     | CBB21        | 4.7                             | 34                | 15.5 | 24.0 | 31.5        | 0.8          |
| MPP564K2G1910168LC     | CBB21        | 0.56                            | 18                | 9.0  | 15.5 | 15.0        | 0.8          |
| MPP683K2G1305095LC     | CBB21        | 0.068                           | 13                | 5.5  | 9.0  | 10.0        | 0.5          |
| MPP683K2G1305105LC     | CBB21        | 0.068                           | 13                | 5.5  | 10.5 | 10.0        | 0.5          |
| MPP684K2G1908158LC     | CBB21        | 0.68                            | 18                | 7.5  | 14.0 | 15.0        | 0.8          |
| MPP684K2G1910178LC     | CBB21        | 0.68                            | 18                | 9.0  | 16.0 | 15.0        | 0.8          |
| MPP684K2G2408158LC     | CBB21        | 0.68                            | 23                | 7.5  | 15.0 | 20.0        | 0.8          |
| MPP684K2G2412198LC     | CBB21        | 0.68                            | 23                | 12.0 | 19.0 | 20.0        | 0.8          |
| MPP824K2G2409168LC     | CBB21        | 0.82                            | 23                | 9.0  | 16.0 | 20.0        | 0.8          |

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

| U <sub>R</sub> :450Vdc |              |                                 |                   |      |      |             |              |
|------------------------|--------------|---------------------------------|-------------------|------|------|-------------|--------------|
| 成品编码<br>Part No.       | 系列<br>Series | 容量<br>Capacitance<br>( $\mu$ F) | 尺寸 Dimension (mm) |      |      |             |              |
|                        |              |                                 | Wmax              | Tmax | Hmax | P $\pm$ 0.5 | d $\pm$ 0.05 |
| MPP223J2W1006095LC     | CBB21        | 0.022                           | 10                | 6.0  | 9.5  | 7.5         | 0.5          |
| MPP224J2W1005105LC     | CBB21        | 0.22                            | 10                | 6.0  | 11.5 | 7.5         | 0.5          |
| MPP224J2W1305125LC     | CBB21        | 0.22                            | 13                | 6.0  | 12.0 | 10.0        | 0.5          |
| MPP333J2W1305095LC     | CBB21        | 0.033                           | 13                | 5.5  | 9.0  | 10.0        | 0.5          |
| MPP333J2W1005085LC     | CBB21        | 0.033                           | 10                | 6.0  | 9.0  | 7.5         | 0.5          |
| MPP473J2W1304095LC     | CBB21        | 0.047                           | 13                | 5.5  | 10.0 | 10.0        | 0.5          |
| MPP473J2W1305085LC     | CBB21        | 0.047                           | 13                | 5.5  | 9.0  | 10.0        | 0.5          |
| MPP473J2W1005085LC     | CBB21        | 0.047                           | 10                | 5.0  | 8.0  | 7.5         | 0.5          |
| MPP473J2W1005105LC     | CBB21        | 0.047                           | 10                | 6.0  | 10.0 | 7.5         | 0.5          |
| MPP474J2W1305125LC     | CBB21        | 0.47                            | 13                | 6.0  | 13.0 | 10.0        | 0.5          |
| MPP683J2W1305105LC     | CBB21        | 0.068                           | 13                | 5.0  | 10.0 | 10.0        | 0.5          |
| MPP683J2W1006095LC     | CBB21        | 0.068                           | 10                | 6.0  | 9.5  | 7.5         | 0.5          |
| MPP823J2W1304085LC     | CBB21        | 0.082                           | 13                | 5.5  | 9.5  | 10.0        | 0.5          |
| MPP104K2W1305085LC     | CBB21        | 0.1                             | 13                | 5.5  | 10.5 | 10.0        | 0.5          |
| MPP104K2W1305105LC     | CBB21        | 0.1                             | 13                | 5.5  | 10.5 | 10.0        | 0.5          |
| MPP104K2W1306126LC     | CBB21        | 0.1                             | 13                | 7.0  | 12.5 | 10.0        | 0.6          |
| MPP105K2W1906116LC     | CBB21        | 1.0                             | 18                | 8.0  | 13.0 | 15.0        | 0.6          |
| MPP105K2W1908128LC     | CBB21        | 1.0                             | 18                | 9.0  | 13.5 | 15.0        | 0.8          |





# 环氧粉末包封型金属化聚丙烯膜电容器---CBB21(MPP)系列

Metallized Polypropylene Film Capacitors(Dipped )---CBB21(MPP)series

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

| U <sub>R</sub> :450Vdc |           |                           |                   |      |      |       |        |
|------------------------|-----------|---------------------------|-------------------|------|------|-------|--------|
| 成品编码<br>Part No.       | 系列 Series | 容量<br>Capacitance<br>(μF) | 尺寸 Dimension (mm) |      |      |       |        |
|                        |           |                           | Wmax              | Tmax | Hmax | P±0.5 | d±0.05 |
| MPP105K2W1912208LC     | CBB21     | 1.0                       | 18                | 11.0 | 19.5 | 15.0  | 0.8    |
| MPP105K2W2608178LC     | CBB21     | 1.0                       | 25                | 9    | 17.5 | 22.5  | 0.8    |
| MPP154K2W1305105LC     | CBB21     | 0.15                      | 13                | 5    | 10   | 10    | 0.5    |
| MPP154K2W1307126LC     | CBB21     | 0.15                      | 13                | 6.5  | 11.5 | 10    | 0.6    |
| MPP155K2W1909168LC     | CBB21     | 1.5                       | 18                | 10.5 | 17   | 15    | 0.8    |
| MPP155K2W1910148LC     | CBB21     | 1.5                       | 18                | 11.5 | 15   | 15    | 0.8    |
| MPP224K2W1306106LC     | CBB21     | 0.22                      | 13                | 6    | 10   | 10    | 0.6    |
| MPP333K2W1305105LC     | CBB21     | 0.033                     | 13                | 5    | 10   | 10    | 0.5    |
| MPP473K2W1304095LC     | CBB21     | 0.047                     | 13                | 5    | 9    | 10    | 0.5    |
| MPP473K2W1005105LC     | CBB21     | 0.047                     | 10                | 5    | 9    | 7.5   | 0.5    |
| MPP474K2W1308156LC     | CBB21     | 0.47                      | 13                | 7.2  | 15   | 10    | 0.6    |

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

| U <sub>R</sub> :630Vdc |           |                           |                   |      |      |       |        |
|------------------------|-----------|---------------------------|-------------------|------|------|-------|--------|
| 成品编码<br>Part No.       | 系列 Series | 容量<br>Capacitance<br>(μF) | 尺寸 Dimension (mm) |      |      |       |        |
|                        |           |                           | Wmax              | Tmax | Hmax | P±0.5 | d±0.05 |
| MPP102J2J1304075LC     | CBB21     | 0.001                     | 13                | 4.5  | 7    | 10    | 0.5    |
| MPP103J2J1304075LC     | CBB21     | 0.01                      | 13                | 4.5  | 8    | 10    | 0.5    |
| MPP103J2J1304085LC     | CBB21     | 0.01                      | 13                | 4.5  | 8    | 10    | 0.5    |
| MPP103J2J1304095LC     | CBB21     | 0.01                      | 13                | 4.5  | 9    | 10    | 0.5    |
| MPP103J2J1305085LC     | CBB21     | 0.01                      | 13                | 5.5  | 8.5  | 10    | 0.5    |
| MPP104J2J1006115LC     | CBB21     | 0.1                       | 10                | 6.5  | 11.5 | 7.5   | 0.5    |
| MPP104J2J1304095LC     | CBB21     | 0.1                       | 13                | 5.5  | 10   | 10    | 0.5    |
| MPP104J2J1305105LC     | CBB21     | 0.1                       | 13                | 5.5  | 10.5 | 10    | 0.5    |
| MPP104J2J1006115LC     | CBB21     | 0.1                       | 10                | 6    | 11.5 | 7.5   | 0.5    |
| MPP123J2J1304095LC     | CBB21     | 0.012                     | 13                | 5.5  | 10.5 | 10    | 0.5    |
| MPP123J2J1305085LC     | CBB21     | 0.012                     | 13                | 5.5  | 9    | 10    | 0.5    |
| MPP124J2J1304115LC     | CBB21     | 0.12                      | 13                | 5    | 11.5 | 10    | 0.5    |
| MPP154J2J1006125LC     | CBB21     | 0.15                      | 10                | 6.5  | 13.5 | 7.5   | 0.5    |
| MPP184J2J1305125LC     | CBB21     | 0.18                      | 13                | 6    | 12.5 | 10    | 0.5    |
| MPP222J2J1305085LC     | CBB21     | 0.0022                    | 13                | 5.5  | 9    | 10    | 0.5    |
| MPP223J2J1304095LC     | CBB21     | 0.022                     | 13                | 4.5  | 8.5  | 10    | 0.5    |
| MPP223J2J1305085LC     | CBB21     | 0.022                     | 13                | 5    | 8    | 10    | 0.5    |



# 环氧粉末包封型金属化聚丙烯膜电容器---CBB21(MPP)系列

Metallized Polypropylene Film Capacitors(Dipped )---CBB21(MPP)series

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

| U <sub>R</sub> :630Vdc |              |                                 |                   |      |      |             |              |
|------------------------|--------------|---------------------------------|-------------------|------|------|-------------|--------------|
| 成品编码<br>Part No.       | 系列<br>Series | 容量<br>Capacitance<br>( $\mu$ F) | 尺寸 Dimension (mm) |      |      |             |              |
|                        |              |                                 | Wmax              | Tmax | Hmax | P $\pm$ 0.5 | d $\pm$ 0.05 |
| MPP224J2J1305135LC     | CBB21        | 0.22                            | 13                | 6    | 14.5 | 10          | 0.5          |
| MPP333J2J1304085LC     | CBB21        | 0.033                           | 13                | 5    | 8.5  | 10          | 0.5          |
| MPP333J2J1305105LC     | CBB21        | 0.033                           | 13                | 5    | 10   | 10          | 0.5          |
| MPP333J2J1004075LC     | CBB21        | 0.033                           | 10                | 6    | 9    | 7.5         | 0.5          |
| MPP472J2J1305085LC     | CBB21        | 0.0047                          | 13                | 5    | 8    | 10          | 0.5          |
| MPP472J2J1004075LC     | CBB21        | 0.0047                          | 10                | 5.5  | 8.5  | 7.5         | 0.5          |
| MPP473J2J1304095LC     | CBB21        | 0.047                           | 13                | 4    | 8    | 10          | 0.5          |
| MPP473J2J1305105LC     | CBB21        | 0.047                           | 13                | 5    | 10   | 10          | 0.5          |
| MPP473J2J1004085LC     | CBB21        | 0.047                           | 10                | 4.5  | 10   | 7.5         | 0.5          |
| MPP562J2J1304075LC     | CBB21        | 0.0056                          | 13                | 4.5  | 9    | 10          | 0.5          |
| MPP563J2J1303075LC     | CBB21        | 0.056                           | 13                | 4.5  | 8    | 10          | 0.5          |
| MPP682J2J1304075LC     | CBB21        | 0.0068                          | 13                | 4.5  | 7    | 10          | 0.5          |
| MPP683J2J1304075LC     | CBB21        | 0.068                           | 13                | 5    | 8.5  | 10          | 0.5          |
| MPP683J2J1305105LC     | CBB21        | 0.068                           | 13                | 5.5  | 10.5 | 10          | 0.5          |
| MPP822J2J1304075LC     | CBB21        | 0.0082                          | 13                | 5    | 8    | 10          | 0.5          |
| MPP823J2J1304075LC     | CBB21        | 0.082                           | 13                | 5    | 8.5  | 10          | 0.5          |
| MPP103K2J1304075LC     | CBB21        | 0.01                            | 13                | 4.5  | 8    | 10          | 0.5          |
| MPP103K2J1305085LC     | CBB21        | 0.01                            | 13                | 5.5  | 8.5  | 10          | 0.5          |
| MPP103K2J1306106LC     | CBB21        | 0.01                            | 13                | 6.5  | 10.5 | 10          | 0.6          |
| MPP104K2J1306126LC     | CBB21        | 0.1                             | 13                | 6.5  | 11.5 | 10          | 0.6          |
| MPP104K2J1307146LC     | CBB21        | 0.1                             | 13                | 6.5  | 14   | 10          | 0.6          |
| MPP104K2J1308136LC     | CBB21        | 0.1                             | 13                | 7.5  | 12.5 | 10          | 0.6          |
| MPP104K2J1906136LC     | CBB21        | 0.1                             | 18                | 7    | 12   | 15          | 0.6          |
| MPP104K2J1907128LC     | CBB21        | 0.1                             | 18                | 7    | 12   | 15          | 0.8          |
| MPP105K2J2411208LC     | CBB21        | 1.0                             | 23                | 11   | 20   | 20          | 0.8          |
| MPP105K2J3111208LC     | CBB21        | 1.0                             | 30                | 11   | 20   | 27.5        | 0.8          |
| MPP154K2J1307136LC     | CBB21        | 0.15                            | 13                | 7    | 12   | 10          | 0.6          |
| MPP154K2J1308146LC     | CBB21        | 0.15                            | 13                | 7    | 13.5 | 10          | 0.6          |
| MPP205K2J3116248LC     | CBB21        | 2.0                             | 30                | 16.5 | 25   | 27.5        | 0.8          |
| MPP222K2J1305085LC     | CBB21        | 0.0022                          | 13                | 5.5  | 9    | 10          | 0.5          |
| MPP223K2J1304095LC     | CBB21        | 0.022                           | 13                | 4.5  | 8.5  | 10          | 0.5          |
| MPP224K2J1307136LC     | CBB21        | 0.22                            | 13                | 7.5  | 14   | 10          | 0.6          |
| MPP224K2J1908158LC     | CBB21        | 0.22                            | 18                | 8    | 14.5 | 15          | 0.8          |



环氧粉末包封型金属化聚丙烯膜电容器---CBB21(MPP)系列  
Metallized Polypropylene Film Capacitors(Dipped )---CBB21(MPP)series

■料号明细及尺寸 Part No. List and Dimensions

| U <sub>R</sub> :630Vdc |              |                                 |                   |      |      |             |              |
|------------------------|--------------|---------------------------------|-------------------|------|------|-------------|--------------|
| 成品编码<br>Part No.       | 系列<br>Series | 容量<br>Capacitance<br>( $\mu$ F) | 尺寸 Dimension (mm) |      |      |             |              |
|                        |              |                                 | Wmax              | Tmax | Hmax | P $\pm$ 0.5 | d $\pm$ 0.05 |
| MPP224K2J1909148LC     | CBB21        | 0.22                            | 18                | 8.5  | 13.5 | 15          | 0.8          |
| MPP225K2J3115238LC     | CBB21        | 2.2                             | 30                | 13.5 | 22.5 | 27.5        | 0.8          |
| MPP225K2J3518268LC     | CBB21        | 2.2                             | 34                | 18   | 26   | 31.5        | 0.8          |
| MPP333K2J1305105LC     | CBB21        | 0.033                           | 13                | 5    | 10   | 10          | 0.5          |
| MPP334K2J1908158LC     | CBB21        | 0.33                            | 18                | 8    | 15   | 15          | 0.8          |
| MPP334K2J1910158LC     | CBB21        | 0.33                            | 18                | 10.5 | 16   | 15          | 0.8          |
| MPP334K2J1911178LC     | CBB21        | 0.33                            | 18                | 10   | 16.5 | 15          | 0.8          |
| MPP334K2J2409168LC     | CBB21        | 0.33                            | 23                | 9.5  | 16   | 20          | 0.8          |
| MPP473K2J1005105LC     | CBB21        | 0.047                           | 10                | 6    | 10   | 7.5         | 0.5          |
| MPP473K2J1305085LC     | CBB21        | 0.047                           | 13                | 5    | 8.5  | 10          | 0.5          |
| MPP473K2J1005105LC     | CBB21        | 0.047                           | 10                | 6    | 10   | 7.5         | 0.5          |
| MPP474K2J1908158LC     | CBB21        | 0.47                            | 18                | 8    | 15   | 15          | 0.8          |

■料号明细及尺寸 Part No. List and Dimensions

| U <sub>R</sub> :1000Vdc |              |                                 |                   |      |      |             |              |
|-------------------------|--------------|---------------------------------|-------------------|------|------|-------------|--------------|
| 成品编码<br>Part No.        | 系列<br>Series | 容量<br>Capacitance<br>( $\mu$ F) | 尺寸 Dimension (mm) |      |      |             |              |
|                         |              |                                 | Wmax              | Tmax | Hmax | P $\pm$ 0.5 | d $\pm$ 0.05 |
| MPP104J3A1907138LC      | CBB21        | 0.1                             | 18                | 8    | 12.5 | 15          | 0.8          |
| MPP104J3A1908138LC      | CBB21        | 0.1                             | 18                | 7.5  | 13   | 15          | 0.8          |
| MPP154J3A1908138LC      | CBB21        | 0.15                            | 18                | 8    | 13   | 15          | 0.8          |
| MPP224J3A1909168LC      | CBB21        | 0.22                            | 18                | 8.5  | 16   | 15          | 0.8          |
| MPP332J3A1306096LC      | CBB21        | 0.0033                          | 13                | 6.5  | 10.5 | 10          | 0.6          |

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