

# C82

## Double sided Metallized Polypropylene Film Capacitor (Box-type) 双面金属化聚丙烯膜电容器 (盒装型)

### 外形图 Outline

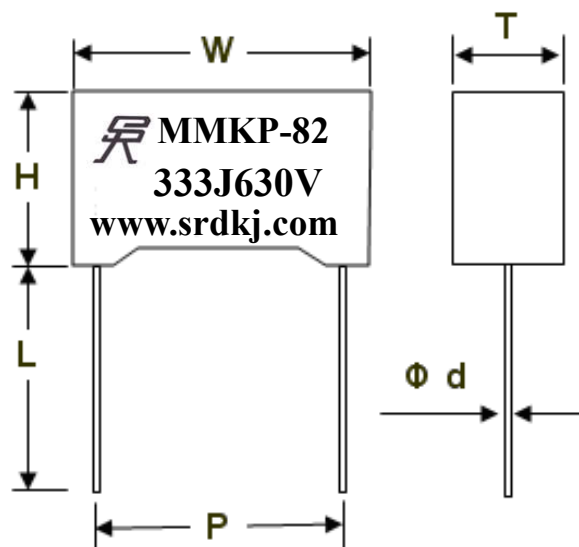
#### ■特点

- 双面金属化聚丙烯膜
- 损耗小，内部温升小
- 小型化的安装尺寸
- 优异的阻燃性能(UL94V-0)

#### ■主要用途

- 广泛应用于高压高频脉冲电路中
- 电视机中的 S 校正和行逆程波形和显示器中
- 电子整流器和节能灯中
- 吸收和 SCR 整流电路中

#### ■符合 ROHS.REACH 等标准



#### ■技术参数

|   |   |  |        |        |
|---|---|--|--------|--------|
| 引用标准  | GB/T10190 (IEC60384-16)                                 |  |        |        |
| 气候条件  | 40/105°C/56d  |  |        |        |
| 工作温度  | -40°C~+105°C  |  |        |        |
| 额定电压  | 630V;1000V;1600V;2000V;3000V                            |  |        |        |
| 容量范围  | 0.001 μF~1.0 μF   |  |        |        |
| 容量误差  | J—±5% ; K—±10%  |  |        |        |
| 耐电压   | 端子与端子: 1.6UR (VDC) 5S<br>端子与外壳: 2000VAC 5S              | 无击穿或飞狐   |        |        |
| 损耗角   | ≤0.0010 1KHZ  | 20°C; 1V 测试电压  |        |        |
| 绝缘电阻或时间常数   | CR≤0.33 μF IR≥100000MΩ<br>CR>0.33 μF IR≥30000S (MΩ. μF) | 充电电压 100V 20°C;<br>充电 1min 测试后测得   |        |        |
| 耐久负荷测试  | 温度 105°C,<br>连续工作 1000 小时<br>施加电压: 额定电压 UR              | 电容量衰减量: ΔC/C≤10%<br>损耗角衰减量: ΔTg δ ≤0.5% (1KHZ)<br>绝缘电阻值: IR≥50%<br>IR : IR≥50% |        |        |
| 最大脉冲爬升速率 (dv/dt) :<br>若实际工作电压比额定电压低, 该电容器可以工作在更高的 dv/dt 场合, | 额定电压  | dv/dt (V/μs)   |        |        |
|   |   | P=15   | P=22.5 | P=27.5 |
|   | 630V  | 2500   | 1600   | 1000   |
|   | 1000V   | 3500   | 2500   | 1300   |
|   | 1600V   | 6300   | 3200   | 2200   |
|   | 2000V   | 12000  | 5000   | 2500   |
|   | 3000V   | -  | 8000   | -      |

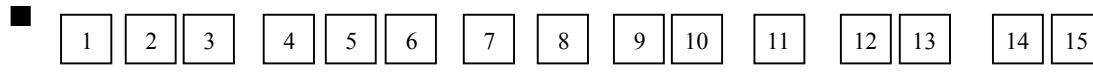
注: 可根据客户使用定制容量产品, 具体参数依据承认书资料为准。

# C82

## Double sided Metallized Polypropylene Film Capacitor (Box-type) 双面金属化聚丙烯膜电容器 (盒装型)

### ■ C82 产品编码规则

■ 15 位产品代码规定如下:



二. 各部分组成内容

型号代码 (第 1~3 位数)

C82 双面金属化聚丙烯膜电容器 (盒装型)

标称容量 (第 4~6 位数) Norminal

例如 e. g. : 104=10×10<sup>4</sup> pF=0.1μF

标容量误差代码 (第 7 位数)

例如 e. g. : J=±5% K=±10%

额定电压 (第 8 位数)

6----630V    A----1000V    C----1600V    D----2000V    E----3000V

塑壳代码 (第 9~10 位数)

| 代码 | 壳号 | 代码 | 壳号   | 代码 | 壳号   | 代码 | 壳号 | 代码 | 壳号 | 代码 | 壳号   |
|----|----|----|------|----|------|----|----|----|----|----|------|
| M1 | M1 | C1 | C1   | D5 | D5   | E5 | E5 | E1 | E1 | F8 | F8   |
| M2 | M2 | C2 | C2   | D7 | D7   | E6 | E6 | E2 | E2 | G1 | TB5  |
| M3 | M3 | C3 | C3   | D8 | D8-3 | E7 | E7 | E3 | E3 | G2 | F14  |
| M4 | M4 | CA | C5-1 | DA | DA   | F1 | F1 | E4 | E4 | G3 | TB4  |
| M5 | M5 | D1 | D1   | D3 | D3   | F2 | F2 | F4 | F4 | G4 | TB23 |
| M6 | M6 | D2 | D2   | D4 | D4   | F3 | F3 | F7 | F7 | G5 | TB20 |

商标+塑壳颜色 (第 11 位数)

| 代码 | 商标 + 塑壳颜色       | 代码 | 商标 + 塑壳颜色        |
|----|-----------------|----|------------------|
| R  | SRD + 灰色激光打印+网址 | S  | SRD + 黄色有+光打印+网址 |

内部识别码 (第 12~13 位数)

外形加工识别码 (第 14~15 位数)

|   |         |         |  |         |         |         |
|---|---------|---------|--|---------|---------|---------|
| 说明: 标准引线长度为 13mm  |         |         |  |         |         |         |
| 切引线标准长度 (mm)  | 3.0±0.5 | 3.5±0.5 | 4.0±0.5  | 4.5±0.5 | 5.0±0.5 | 5.5±0.5 |
| 直切脚加工图形   |         |         | 弯切脚加工图形  |         |         |         |
|  |         |         |  |         |         |         |

## C82

**Double sided Metallized Polypropylene Film Capacitor (Box-type)**  
**双面金属化聚丙烯膜电容器 (盒装型)**

## ■成品尺寸表

| 630V          |        |               |      |      |      |               |       |               |      |      |      |
|---------------|--------|---------------|------|------|------|---------------|-------|---------------|------|------|------|
| 成品编码          | 容量     | 外形尺寸±0.5 (mm) |      |      |      | 成品编码          | 容量    | 外形尺寸±0.5 (mm) |      |      |      |
|               | μF     | W             | T    | H    | P    |               | μF    | W             | T    | H    | P    |
| C82103J6D1R00 | 0.01   | 18            | 5    | 11   | 15   | C82473J6E1R00 | 0.047 | 26.5          | 6    | 15   | 22.5 |
| C82123J6D1R00 | 0.012  | 18            | 5    | 11   | 15   | C82563J6E1R00 | 0.056 | 26.5          | 6    | 15   | 22.5 |
| C82153J6D1R00 | 0.015  | 18            | 5    | 11   | 15   | C82683J6E2R00 | 0.068 | 26.5          | 7    | 16.5 | 22.5 |
| C82183J6D1R00 | 0.018  | 18            | 5    | 11   | 15   | C82823J6E2R00 | 0.082 | 26.5          | 7    | 16.5 | 22.5 |
| C82223J6D2R00 | 0.022  | 18            | 6    | 12   | 15   | C82104J6E3R00 | 0.1   | 26.5          | 8.5  | 17   | 22.5 |
| C82273J6D2R00 | 0.027  | 18            | 6    | 12   | 15   | C82124J6E3R00 | 0.12  | 26.5          | 8.5  | 17   | 22.5 |
| C82333J6D2R00 | 0.033  | 18            | 6    | 12   | 15   | C82154J6E4R00 | 0.15  | 26.5          | 10   | 19   | 22.5 |
| C82393J6D2R00 | 0.039  | 18            | 6    | 12   | 15   | C82184J6E5R00 | 0.18  | 26.5          | 11   | 20   | 22.5 |
| C82473J6D2R00 | 0.047  | 18            | 6    | 12   | 15   | C82224J6E6R00 | 0.22  | 26.5          | 12   | 21.5 | 22.5 |
| C82563J6D3R00 | 0.056  | 18            | 7.5  | 13.5 | 15   | C82274J6E7R00 | 0.27  | 26.5          | 13   | 23   | 22.5 |
| C82683J6D3R00 | 0.068  | 18            | 7.5  | 13.5 | 15   | C82394J6F4R00 | 0.39  | 31.5          | 16   | 25.5 | 27.5 |
| C82823J6D4R00 | 0.082  | 18            | 8.4  | 14.5 | 15   | C82474J6F4R00 | 0.47  | 31.5          | 16   | 25.5 | 27.5 |
| C82104J6D5R00 | 0.1    | 18            | 9.5  | 15.5 | 15   | C82564J6F7R00 | 0.56  | 31.5          | 18   | 26   | 27.5 |
| C82124J6D8R00 | 0.12   | 18            | 11.2 | 19.2 | 15   | C82684J6F7R00 | 0.68  | 31.5          | 18   | 26   | 27.5 |
| C82333J6E1R00 | 0.033  | 26.5          | 6    | 15   | 22.5 | C82824J6F8R00 | 0.82  | 31.5          | 22   | 31   | 27.5 |
| C82393J6E1R00 | 0.039  | 26.5          | 6    | 15   | 22.5 | C82105J6F8R00 | 1.0   | 31.5          | 22   | 31   | 27.5 |
| 1000V         |        |               |      |      |      |               |       |               |      |      |      |
| 成品编码          | 容量     | 外形尺寸±0.5 (mm) |      |      |      | 成品编码          | 容量    | 外形尺寸±0.5 (mm) |      |      |      |
|               | μF     | W             | T    | H    | P    |               | μF    | W             | T    | H    | P    |
| C82222JAD1R00 | 0.0022 | 18            | 5    | 11   | 15   | C82333JAE2R00 | 0.033 | 26.5          | 7    | 16.5 | 22.5 |
| C82272JAD1R00 | 0.0027 | 18            | 5    | 11   | 15   | C82393JAE2R00 | 0.039 | 26.5          | 7    | 16.5 | 22.5 |
| C82332JAD1R00 | 0.0033 | 18            | 5    | 11   | 15   | C82473JAE3R00 | 0.047 | 26.5          | 8.5  | 17   | 22.5 |
| C82392JAD1R00 | 0.0039 | 18            | 5    | 11   | 15   | C82563JAE3R00 | 0.056 | 26.5          | 8.5  | 17   | 22.5 |
| C82472JAD1R00 | 0.0047 | 18            | 5    | 11   | 15   | C82683JAE4R00 | 0.068 | 26.5          | 10   | 19   | 22.5 |
| C82562JAD1R00 | 0.0056 | 18            | 5    | 11   | 15   | C82823JAE5R00 | 0.082 | 26.5          | 11   | 20   | 22.5 |
| C82682JAD1R00 | 0.0068 | 18            | 5    | 11   | 15   | C82104JAE5R00 | 0.1   | 26.5          | 11   | 20   | 22.5 |
| C82822JAD2R00 | 0.0082 | 18            | 6    | 12   | 15   | C82124JAE6R00 | 0.12  | 26.5          | 12   | 21.5 | 22.5 |
| C82103JAD2R00 | 0.01   | 18            | 6    | 12   | 15   | C82154JAE6R00 | 0.15  | 26.5          | 12   | 21.5 | 22.5 |
| C82123JAD2R00 | 0.012  | 18            | 6    | 12   | 15   | C82104JAF1R00 | 0.1   | 31.5          | 10.8 | 19.5 | 27.5 |
| C82153JAD3R00 | 0.015  | 18            | 7.5  | 13.5 | 15   | C82124JAF1R00 | 0.12  | 31.5          | 10.8 | 19.5 | 27.5 |
| C82183JAD3R00 | 0.018  | 18            | 7.5  | 13.5 | 15   | C82154JAF1R00 | 0.15  | 31.5          | 10.8 | 19.5 | 27.5 |
| C82223JAD4R00 | 0.022  | 18            | 8.4  | 14.5 | 15   | C82184JAF2R00 | 0.18  | 31.5          | 13   | 21.6 | 27.5 |
| C82273JAD4R00 | 0.027  | 18            | 8.4  | 14.5 | 15   | C82224JAF2R00 | 0.22  | 31.5          | 13   | 21.6 | 27.5 |
| C82333JADAR00 | 0.033  | 18            | 10   | 15.8 | 15   | C82274JAF4R00 | 0.27  | 31.5          | 16   | 25.5 | 27.5 |
| C82393JAD8R00 | 0.039  | 18            | 11.2 | 19.2 | 15   | C82334JAF8R00 | 0.33  | 31.5          | 22   | 31   | 27.5 |
| C82473JAD8R00 | 0.047  | 18            | 11.2 | 19.2 | 15   | C82394JAF8R00 | 0.39  | 31.5          | 22   | 31   | 27.5 |
| C82273JAE2R00 | 0.027  | 26.5          | 7    | 16.5 | 22.5 | C82474JAF8R00 | 0.47  | 31.5          | 22   | 31   | 27.5 |

Note: 使用涉及到和极限参数有关问题请与 SINCERITY 联系

Note: Any questions related to the parameters using, please contact Sincerity.

## C82

**Double sided Metallized Polypropylene Film Capacitor (Box-type)**  
**双面金属化聚丙烯膜电容器 (盒装型)**

| 1600V         |        |               |      |      |      |               |       |               |      |      |      |
|---------------|--------|---------------|------|------|------|---------------|-------|---------------|------|------|------|
| 成品编码          | 容量     | 外形尺寸±0.5 (mm) |      |      |      | 成品编码          | 容量    | 外形尺寸±0.5 (mm) |      |      |      |
|               | μF     | W             | T    | H    | P    |               | μF    | W             | T    | H    | P    |
| C82102JCD2R00 | 0.001  | 18            | 6    | 12   | 15   | C82223JCE1R00 | 0.022 | 26.5          | 6    | 15   | 22.5 |
| C82122JCD2R00 | 0.0012 | 18            | 6    | 12   | 15   | C82273JCE1R00 | 0.027 | 26.5          | 6    | 15   | 22.5 |
| C82152JCD2R00 | 0.0015 | 18            | 6    | 12   | 15   | C82333JCE2R00 | 0.033 | 26.5          | 7    | 16   | 22.5 |
| C82182JCD2R00 | 0.0018 | 18            | 6    | 12   | 15   | C82393JCE3R00 | 0.039 | 26.5          | 8.5  | 17   | 22.5 |
| C82222JCD2R00 | 0.0022 | 18            | 6    | 12   | 15   | C82473JCE4R00 | 0.047 | 26.5          | 10   | 19   | 22.5 |
| C82272JCD2R00 | 0.0027 | 18            | 6    | 12   | 15   | C82563JCE4R00 | 0.056 | 26.5          | 10   | 19   | 22.5 |
| C82332JCD2R00 | 0.0033 | 18            | 6    | 12   | 15   | C82683JCE6R00 | 0.068 | 26.5          | 12   | 21.5 | 22.5 |
| C82392JCD2R00 | 0.0039 | 18            | 6    | 12   | 15   | C82823JCE6R00 | 0.082 | 26.5          | 12   | 21.5 | 22.5 |
| C82472JCD2R00 | 0.0047 | 18            | 6    | 12   | 15   | C82104JCE7R00 | 0.1   | 26.5          | 13   | 23   | 22.5 |
| C82562JCD2R00 | 0.0056 | 18            | 6    | 12   | 15   | C82393JCF1R00 | 0.039 | 31.5          | 10.8 | 19.5 | 27.5 |
| C82682JCD2R00 | 0.0068 | 18            | 6    | 12   | 15   | C82473JCF1R00 | 0.047 | 31.5          | 10.8 | 19.5 | 27.5 |
| C82822JCD2R00 | 0.0082 | 18            | 6    | 12   | 15   | C82563JCF1R00 | 0.056 | 31.5          | 10.8 | 19.5 | 27.5 |
| C82103JCD2R00 | 0.010  | 18            | 6    | 12   | 15   | C82683JCF1R00 | 0.068 | 31.5          | 10.8 | 19.5 | 27.5 |
| C82123JCD3R00 | 0.012  | 18            | 7.5  | 13.5 | 15   | C82823JCF2R00 | 0.082 | 31.5          | 13   | 21.6 | 27.5 |
| C82153JCD3R00 | 0.015  | 18            | 7.5  | 13.5 | 15   | C82104JCF2R00 | 0.1   | 31.5          | 13   | 21.6 | 27.5 |
| C82183JCD4R00 | 0.018  | 18            | 8.4  | 14.5 | 15   | C82124JCF2R00 | 0.12  | 31.5          | 13   | 21.6 | 27.5 |
| C82223JCD4R00 | 0.022  | 18            | 8.4  | 14.5 | 15   | C82154JCF4R00 | 0.15  | 31.5          | 16   | 25.5 | 27.5 |
| C82273JCDAR00 | 0.027  | 18            | 10   | 15.8 | 15   | C82184JCF4R00 | 0.18  | 31.5          | 16   | 25.5 | 27.5 |
| C82333JCD8R00 | 0.033  | 18            | 11.2 | 19.2 | 15   | C82224JCF7R00 | 0.22  | 31.5          | 18   | 26   | 27.5 |
| C82153JCE1R00 | 0.015  | 26.5          | 6    | 15   | 22.5 | C82274JCF7R00 | 0.27  | 31.5          | 18   | 26   | 27.5 |
| C82183JCE1R00 | 0.018  | 26.5          | 6    | 15   | 22.5 | C82334JCF8R00 | 0.33  | 31.5          | 22   | 31   | 27.5 |
| 2000V         |        |               |      |      |      |               |       |               |      |      |      |
| 成品编码          | 容量     | 外形尺寸±0.5 (mm) |      |      |      | 成品编码          | 容量    | 外形尺寸±0.5 (mm) |      |      |      |
|               | μF     | W             | T    | H    | P    |               | μF    | W             | T    | H    | P    |
| C82102JDD2R00 | 0.001  | 18            | 6    | 12   | 15   | C82183JDE2R00 | 0.018 | 26.5          | 7    | 16.5 | 22.5 |
| C82122JDD2R00 | 0.0012 | 18            | 6    | 12   | 15   | C82223JDE3R00 | 0.022 | 26.5          | 8.4  | 17   | 22.5 |
| C82152JDD2R00 | 0.0015 | 18            | 6    | 12   | 15   | C82273JDE4R00 | 0.027 | 26.5          | 10   | 19   | 22.5 |
| C82182JDD2R00 | 0.0018 | 18            | 6    | 12   | 15   | C82333JDE4R00 | 0.033 | 26.5          | 10   | 19   | 22.5 |
| C82222JDD2R00 | 0.0022 | 18            | 6    | 12   | 15   | C82393JDE6R00 | 0.039 | 26.5          | 12   | 21.5 | 22.5 |
| C82272JDD2R00 | 0.0027 | 18            | 6    | 12   | 15   | C82473JDE6R00 | 0.047 | 26.5          | 12   | 21.5 | 22.5 |
| C82332JDD2R00 | 0.0033 | 18            | 6    | 12   | 15   | C82473JDF2R00 | 0.047 | 31.5          | 13   | 21.6 | 27.5 |
| C82392JDD2R00 | 0.0039 | 18            | 6    | 12   | 15   | C82563JDF2R00 | 0.056 | 31.5          | 13   | 21.6 | 27.5 |
| C82472JDD2R00 | 0.0047 | 18            | 6    | 12   | 15   | C82683JDF2R00 | 0.068 | 31.5          | 13   | 21.6 | 27.5 |
| C82562JDD3R00 | 0.0056 | 18            | 7.5  | 13.5 | 15   | C82823JDF4R00 | 0.082 | 31.5          | 16   | 25.5 | 27.5 |
| C82682JDD3R00 | 0.0068 | 18            | 7.5  | 13.5 | 15   | C82104JDF4R00 | 0.1   | 31.5          | 16   | 25.5 | 27.5 |
| C82822JDD4R00 | 0.0082 | 18            | 8.4  | 14.5 | 15   | C82124JDF8R00 | 0.12  | 31.5          | 22   | 31   | 27.5 |
| C82103JDD8R00 | 0.01   | 18            | 11.2 | 19.2 | 15   | C82154JDF8R00 | 0.15  | 31.5          | 22   | 31   | 27.5 |
| C82123JDD8R00 | 0.012  | 18            | 11.2 | 19.2 | 15   | C82184JDF8R00 | 0.18  | 31.5          | 22   | 31   | 27.5 |
| C82153JDD8R00 | 0.015  | 18            | 11.2 | 19.2 | 15   | C82224JDF8R00 | 0.22  | 31.5          | 22   | 31   | 27.5 |

Note: 使用涉及到和极限参数有关问题请与 SINCERITY 联系

Note: Any questions related to the parameters using, please contact Sincerity.

## C82

**Double sided Metallized Polypropylene Film Capacitor (Box-type)**  
**双面金属化聚丙烯膜电容器 (盒装型)**

| 3000V          |        |               |   |      |      |                |        |               |     |      |      |
|----------------|--------|---------------|---|------|------|----------------|--------|---------------|-----|------|------|
| 成品编码           | 容量     | 外形尺寸±0.5 (mm) |   |      |      | 成品编码           | 容量     | 外形尺寸±0.5 (mm) |     |      |      |
|                | μF     | W             | T | H    | P    |                | μF     | W             | T   | H    | P    |
| C82J102JEE1R00 | 0.001  | 26.5          | 6 | 15   | 22.5 | C82J822JEE2R00 | 0.0082 | 26.5          | 7   | 16.5 | 22.5 |
| C82J122JEE1R00 | 0.0012 | 26.5          | 6 | 15   | 22.5 | C82J103JEE3R00 | 0.01   | 26.5          | 8.5 | 17   | 22.5 |
| C82J152JEE1R00 | 0.0015 | 26.5          | 6 | 15   | 22.5 | C82J123JEE4R00 | 0.012  | 26.5          | 10  | 19   | 22.5 |
| C82J182JEE1R00 | 0.0018 | 26.5          | 6 | 15   | 22.5 | C82J153JEE4R00 | 0.015  | 26.5          | 10  | 19   | 22.5 |
| C82J222JEE1R00 | 0.0022 | 26.5          | 6 | 15   | 22.5 | C82J183JEE6R00 | 0.018  | 26.5          | 12  | 21.5 | 22.5 |
| C82J272JEE1R00 | 0.0027 | 26.5          | 6 | 15   | 22.5 | C82J223JEE6R00 | 0.022  | 26.5          | 12  | 21.5 | 22.5 |
| C82J332JEE1R00 | 0.0033 | 26.5          | 6 | 15   | 22.5 | C82J273JEE6R00 | 0.027  | 26.5          | 12  | 21.5 | 22.5 |
| C82J392JEE1R00 | 0.0039 | 26.5          | 6 | 15   | 22.5 | C82J333JEE7R00 | 0.033  | 26.5          | 13  | 23   | 22.5 |
| C82J472JEE2R00 | 0.0047 | 26.5          | 7 | 16.5 | 22.5 | C82J393JEE7R00 | 0.039  | 26.5          | 13  | 23   | 22.5 |
| C82J562JEE2R00 | 0.0056 | 26.5          | 7 | 16.5 | 22.5 | C82J473JEE7R00 | 0.047  | 26.5          | 13  | 23   | 22.5 |
| C82J682JEE2R00 | 0.0068 | 26.5          | 7 | 16.5 | 22.5 | C82J563JEE7R00 | 0.056  | 26.5          | 13  | 23   | 22.5 |

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