

PF 高分子导电型(长寿命产品)—插件型

PF Series Conductive polymer type(Long life type)lead type

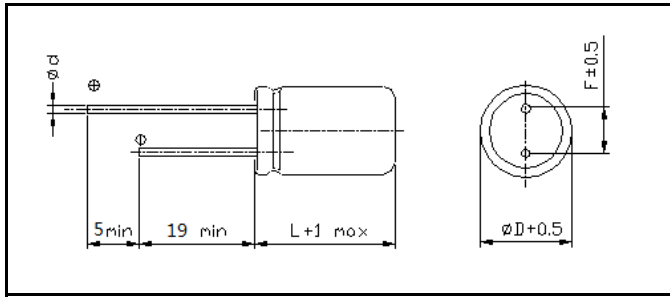
特点 Features

- 径向引线型，以 PC 为基础的高分子导电型。
This is a lead type using conductive polymer based on PE
- 可适于无铅焊
Lead free-flow is supported
- ROHS 指令已对应完毕。Adapted to the ROHS directive.

主要技术性能 Specifications

| 项目 Items | 特性 Characteristics | | |
|--|--|--|--|
| 工作温度范围 Operating Temperature Range | -55℃ ~+105℃ | | |
| 额定电压范围 Rated Voltage Range | 2.5V ~35V | | |
| 标称容量范围 Nominal Capacitance Range | 3.3 ~ 2200μF | | |
| 标称容量允许偏差 Nominal Capacitance Tolerance | ±20% (20℃, 120Hz) | | |
| 漏电流 Leakage Current | ≤表 1 规定值 Less than or equal to the value of table1 2 分钟 at 20℃, after 2 minutes | | |
| 损耗角正切 (tgδ) Dissipation Factor (Max) | 20℃, 120Hz | 直径 Φ6.3~Φ10 | tgδ 0.08 |
| ESR | ≤表 1 规定值 Less than or equal to the value of table1 | | |
| 高低温特性比 Characteristics of impedance ratio at high temp. and low temp. | 要求在 100KHZ 20℃ Based the value at 100KHZ. +20℃ | -55℃ +105℃ | Z/Z20℃ Z/Z20℃ 0.75 to 1.25 0.75 to 1.25 |
| 耐久性 Load Life | +105℃施加额定电压 5000 小时后，电容器应满足以下要求 After 5000 hours' application of rated voltage at 105℃, the capacitor shall meet the following requirement: | | |
| | 容量变化率 Capacitance Change | ±20%初始值以内 Within ±20% of the initial value (16V: within ±25% of the initial value) | |
| | 损耗角正切 Dissipation Factor | ≤ 150%初始规定值 Not more than 150% of the initial specified value | |
| | 阻抗 Equivalent Series Resistance | ≤ 150%初始规定值 Not more than 150% of the initial specified value | |
| | 漏电流 Leakage Current | ≤ 初始规定值 Not more than the initial specified value | |
| 稳态湿热 Damp heat(Steady state) | 60℃, 90~95% RH, 不加电压 1000 小时 60℃, 90~95% RH, 1000 hours, No-applied voltage. | | |
| | 容量变化率 Capacitance Change | ±20%初始值以内 Within ±20% of the initial value (16V: within ±25% of the initial value) | |
| | 损耗角正切 Dissipation Factor | ≤ 150%初始规定值 Not more than 150% of the initial specified value | |
| | 阻抗 Equivalent Series Resistance | ≤ 150%初始规定值 Not more than 150% of the initial specified value | |
| | 漏电流 Leakage Current | ≤ 初始规定值 Not more than the initial specified value | |
| 耐焊接热 Resistance to Soldering Heat | (VPS) (260℃ X 10s) | | |
| | 容量变化率 Capacitance Change | ±10%初始值以内 Within ±10% of the initial value (16V 以上: within ±15% of the initial value) | |
| | 损耗角正切 Dissipation Factor | ≤ 初始规定值 Not more than the initial specified value | |
| | 阻抗 Equivalent Series Resistance | ≤ 初始规定值 Not more than the initial specified value | |
| | 漏电流 Leakage Current | ≤ 初始规定值 Not more than the initial specified value | |

尺寸图 Dimensions



单位 Unit:mm

| | | | |
|---|-----|-----|-----|
| D | 6 | 8 | 10 |
| F | 2.5 | 3.5 | 5 |
| d | 0.6 | 0.6 | 0.6 |

尺寸表 Size list

■称电容量、额定电压、额定纹波电流与尺寸对应表 Nominal capacitance, rated voltage, rated ripple current and case size tabl

| Size Code | UR (V) | CR (μF) | ESR (mΩ max.) | Ripple 100KHZ (mArms) | Leakage current(μA) (max.) | Size Code | UR (V) | CR (μF) | ESR (mΩ max.) | Ripple 100KHZ (mArms) | Leakage current(μA) (max.) |
|-----------|--------|---------|---------------|-----------------------|----------------------------|-----------|--------|---------|---------------|-----------------------|----------------------------|
| 6.3×9 | 2.5 | 470 | 7 | 5400 | 235 | 8×12 | 25 | 100 | 24 | 3900 | 500 |
| | 2.5 | 560 | 7 | 5400 | 280 | | 25 | 220 | 25 | 4100 | 1100 |
| | 2.5 | 820 | 7 | 5400 | 410 | | 35 | 47 | 24 | 2600 | 329 |
| | 2.5 | 1000 | 7 | 5400 | 500 | | 35 | 100 | 24 | 3300 | 700 |
| | 4 | 470 | 7 | 5400 | 376 | 10×12 | 2.5 | 1000 | 7 | 6100 | 500 |
| | 4 | 560 | 7 | 5400 | 448 | | 2.5 | 1200 | 7 | 6100 | 600 |
| | 6.3 | 470 | 7 | 4700 | 592 | | 2.5 | 1500 | 7 | 6100 | 750 |
| | 6.3 | 560 | 7 | 4700 | 706 | | 2.5 | 2200 | 7 | 6100 | 1100 |
| | 16 | 220 | 10 | 4700 | 704 | | 4 | 1000 | 7 | 6100 | 800 |
| | 25 | 47 | 25 | 2100 | 235 | | 4 | 1200 | 7 | 6100 | 960 |
| 8×9 | 2.5 | 560 | 7 | 6100 | 280 | | 4 | 1500 | 7 | 6100 | 1200 |
| | 2.5 | 820 | 7 | 6100 | 410 | | 6.3 | 820 | 7 | 6100 | 1033 |
| | 2.5 | 1000 | 7 | 6100 | 500 | | 6.3 | 1000 | 7 | 6100 | 1260 |
| | 2.5 | 1200 | 7 | 6100 | 600 | | 10 | 560 | 10 | 5400 | 1120 |
| | 4 | 470 | 7 | 5900 | 376 | | 10 | 680 | 10 | 5400 | 1360 |
| | 4 | 560 | 7 | 6100 | 448 | | 16 | 330 | 10 | 5400 | 1056 |
| | 4 | 820 | 7 | 6100 | 656 | | 16 | 390 | 10 | 5400 | 1248 |
| | 4 | 1000 | 7 | 6100 | 800 | | 16 | 470 | 10 | 5400 | 1504 |
| | 6.3 | 560 | 7 | 5700 | 706 | | 16 | 560 | 10 | 5400 | 1792 |
| | 6.3 | 820 | 7 | 5700 | 1033 | | 20 | 150 | 25 | 3900 | 600 |
| | 16 | 270 | 10 | 5100 | 864 | | 20 | 220 | 25 | 3900 | 880 |
| | 16 | 330 | 10 | 5100 | 1056 | | 20 | 270 | 25 | 3900 | 1080 |
| 8×12 | 2.5 | 1000 | 7 | 6100 | 500 | | 20 | 330 | 25 | 3900 | 1320 |
| | 2.5 | 1200 | 7 | 6100 | 600 | | 20 | 390 | 25 | 3900 | 1560 |
| | 6.3 | 820 | 7 | 6100 | 1033 | 20 | 470 | 25 | 3900 | 1880 | |
| | 6.3 | 1000 | 7 | 6100 | 1260 | 25 | 150 | 25 | 3900 | 750 | |
| | 10 | 390 | 10 | 5400 | 780 | 25 | 220 | 25 | 3900 | 1100 | |
| | 16 | 270 | 10 | 5100 | 864 | 35 | 100 | 25 | 3400 | 700 | |
| | 16 | 330 | 10 | 5100 | 1056 | 35 | 220 | 25 | 3400 | 1540 | |
| | 16 | 390 | 10 | 5100 | 1248 | | | | | | |

ESR(100KHZ to 300KHZ)

如客户需要的规格尺寸可协调设计定制