

UV 片式铝电解电容
UV Chip Type Aluminum Electrolytic Capacitors



产品特点 Features

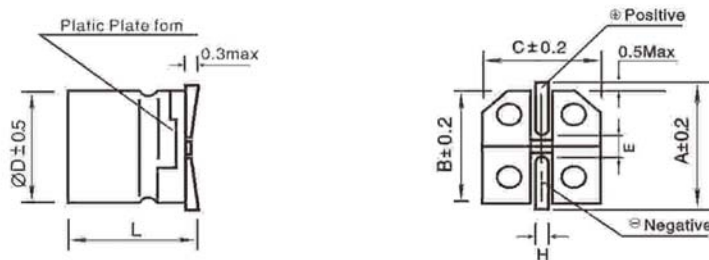
- 产品直径
Case diameter $\Phi 6.3\text{mm} \sim \Phi 10\text{mm}$
- 适用于再回流焊
Reflow soldering is available
- 适用于高密度表面组装
Available for high density surface mounting
- 长寿命105°C 3000小时标准品
Life time 105°C 3000hrs standard product
- 性能稳定, 可靠性高
High stability and reliability
- ROHS指令已对应完毕
Adapted to the RoHS directive

主要技术性能 Specification

| 项目 Item | 特性 Performance Characteristics | | | |
|--|--|---------|---------|------|
| 使用温度范围 Operating temperature range | -45°C ~ +105°C | | | |
| 额定电压范围 Rated voltage range | 160~450V.DC | | | |
| 标称电容容量范围 Nominal capacitance range | 1 μ F~22 μ F | | | |
| 标称电容容量允许偏差 Capacitance tolerance | $\pm 20\%$ (120Hz, +20°C) | | | |
| 漏电流 Leakage current | I=0.04CV(μ A)+100(μ A)after 2 minutes I=Leakage Current(μ A) C=Nominal Capacitance(μ F) V=Rated Voltage(V) | | | |
| 损耗角正切值 (tg δ) Dissipation factor (+20°C, 120Hz) | U _R (V) | 160~200 | 250~400 | 450 |
| | tg δ | 0.20 | 0.25 | 0.30 |
| 温度特性 Temperature characteristics (Impedance ratio at 120Hz) | Rated Voltage(V) | 160~200 | 250~400 | 450 |
| | Z-25°C/Z+20°C | 6 | 10 | 12 |
| | Z-55°C/Z+20°C | 8 | 12 | 15 |
| 耐久性 Load life | 在105°C环境中, 连续施加额定电压3000小时, 常温恢复16小时, 电容器满足以下要求: In 105°C degrees Celsius environment, continuous application of rated voltage for 3000 hours, After 16 hours was measured at room temperature, the capacitors shall meet the following requirements: Capacitance Change: $\pm 30\%$ 初始值以内 Within $\pm 30\%$ of the initial value Dissipation Factor : $\leq 300\%$ 初始值以内 Not more than 300% of the specified value Leakage Current : $\leq 300\%$ 初始值以内 Within 300% of initial specified value | | | |
| 高温贮存 Shelf life | 105°C贮存1000小时后, 放置16小时, 电容器应满足以下要求: After storage for 1000hrs at 105°C, then resumed 16 hours, the capacitors shall meet the following requirements: Capacitance Change: $\pm 30\%$ 初始值以内 Within $\pm 30\%$ of the initial value Dissipation Factor : $\leq 300\%$ 初始值以内 Not more than 300% of the specified value Leakage Current : $\leq 300\%$ 初始值以内 Within 300% of initial specified value | | | |

外形图及尺寸图 Case size table

($\Phi 6.3 \sim \Phi 10$)



V-Chip

| ΦD | L | A | B | C | E | H |
|-----|-----------|------|------|------|-----|---------|
| 6.3 | 10.2± 0.3 | 7.2 | 6.6 | 6.6 | 2.1 | 0.5~0.9 |
| 8 | 10.2± 0.5 | 9.1 | 8.3 | 8.3 | 3.1 | 0.8~1.1 |
| 8 | 12.5± 0.5 | 9.1 | 8.3 | 8.3 | 3.1 | 0.8~1.1 |
| 10 | 12.5± 0.5 | 11.1 | 10.3 | 10.3 | 4.5 | 0.8~1.1 |
| 10 | 12.5± 0.5 | 11.1 | 10.3 | 10.3 | 4.5 | 0.8~1.1 |

■ 尺寸 Dimensions

| WV | 160 | | | 200 | | | 250 | | | 400 | | | 450 | | |
|-------|-----------|------|----|----------|------|----|-----------|------|----|-----------|------|----|----------|------|----|
| μ F壳号 | D× Lmm | tanδ | mA | D× Lmm | tanδ | mA | D× Lmm | tanδ | mA | D× Lmm | tanδ | mA | D× Lmm | tanδ | mA |
| 1 | | | | | | | 6.3× 10.2 | 0.25 | 9 | 6.3× 10.2 | 0.25 | 8 | 8× 10.2 | 0.30 | 13 |
| 1.5 | | | | | | | 6.3× 10.2 | 0.25 | 12 | 6.3× 10.2 | 0.25 | 10 | 8× 10.2 | 0.30 | 16 |
| 2.2 | | | | | | | 6.3× 10.2 | 0.25 | 14 | 6.3× 10.2 | 0.25 | 12 | 8× 10.2 | 0.30 | 18 |
| 3.3 | | | | | | | 6.3× 10.2 | 0.25 | 16 | 8× 10.2 | 0.25 | 18 | 8× 12.5 | 0.30 | 22 |
| 4.7 | | | | 8× 10.2 | 0.20 | 22 | 8× 10.2 | 0.25 | 23 | 8× 10.2 | 0.25 | 28 | 10× 10.2 | 0.30 | 32 |
| 5.6 | | | | 8× 10.2 | 0.20 | 24 | 8× 10.2 | 0.25 | 25 | 8× 12.5 | 0.25 | 34 | 10× 12.5 | 0.30 | 43 |
| 6.8 | 6.3× 10.2 | 0.20 | 24 | 8× 10.2 | 0.20 | 27 | 8× 10.2 | 0.25 | 27 | 10× 10.2 | 0.25 | 40 | 10× 12.5 | 0.30 | 48 |
| 8.2 | 8× 10.2 | 0.20 | 32 | 8× 10.2 | 0.20 | 30 | 10× 10.2 | 0.25 | 33 | 10× 12.5 | 0.25 | 47 | | | |
| 10 | 8× 10.2 | 0.20 | 39 | 8× 12.5 | 0.20 | 34 | 10× 10.2 | 0.25 | 41 | 10× 12.5 | 0.25 | 53 | | | |
| 12 | 8× 10.2 | 0.20 | 42 | 8× 12.5 | 0.20 | 37 | 10× 10.2 | 0.25 | 45 | | | | | | |
| 15 | 10× 10.2 | 0.20 | 50 | 10× 10.2 | 0.20 | 48 | 10× 12.5 | 0.25 | 60 | | | | | | |
| 22 | 10× 12.5 | 0.20 | 57 | | | | | | | | | | | | |

•尺寸ΦD×L(mm), 纹波电流(mA rms)於 105°C 120Hz

■ 纹波电流修正系数 Multiplier For Ripple Current

| 频率 Frequency | 120HZ | 1KHZ | 10KHZ | 100KHZ |
|----------------|-------|------|-------|--------|
| 系数 Coefficient | 1.00 | 1.25 | 1.40 | 1.60 |

注：以上所提供的设计及特性参数仅供参考，任何修改做预先通知，如在使用上有疑问，请在采购前与我们联系，以便提供技术上的协助。
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