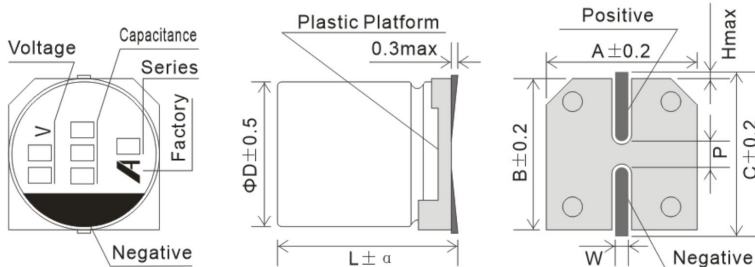


■ Description 产品描述:

Al-Ecap, 33uF, 35v, ±20%, D6.3H4.5mm, 1000Hrs@105°C, -55~+105°C, SMD.

■ Dimension & Marking 印刷及尺寸:



■ Features 特长/用途:

- 105°C, 1,000 hours assured 宽温
- Designed for surface mounting on high density PC board 适合高密度表面安装

■ Serie Expansion 系列拓展

| Items Case | A | B | C | D | P | L | α | W | H |
|------------|-----|-----|-----|-----|-----|-----|------|---------|---------|
| φ6.3x4.5 | 6.6 | 6.6 | 7.3 | 6.3 | 2.0 | 4.5 | ±0.3 | 0.5~0.8 | 0.5max. |

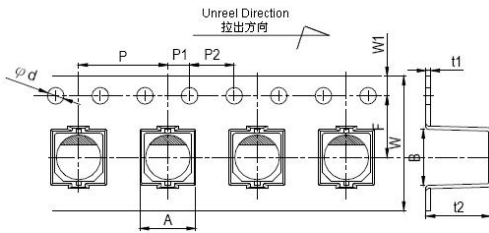


| Items 项目 | Performance 性能 | | | | |
|---|--|---|------|---|--------|
| Rated Voltage 额定电压(V _R) | 35 V | | | | |
| Capacitance 额定容量(C _R) | 33 uF (120Hz, 20°C) | | | | |
| Category Temperature Range 类别温度范围 | -55°C ~ +105°C | | | | |
| Capacitance Tolerance 容量误差 | -20% ~ +20% (120Hz, 20°C) | | | | |
| Surge Voltage 浪涌电压(V _S) | 40.3 V _{DC} | | | | |
| Leakage Current 泄漏电流(I _{LC}) | I _{LC} ≤ 11.55 uA After 2 minutes | | | | |
| Dissipation Factor (Tanδ) 损失角正切值 | ≤ 0.16 (120Hz, 20°C) | | | | |
| Ripple Current 纹波电流(I _{RC, rms}) | 45 mA (120Hz, 105°C) | | | | |
| Low Temperature Characteristics 温度特性(120Hz) | Impedance ratio 阻抗比(Max.) | Z _(-25°C) /Z _(+20°C) | 2 | | |
| | | Z _(-55°C) /Z _(+20°C) | 3 | | |
| Endurance and Shelf Life 耐久性及高温无负荷特性 | Items 项目 | Endurance 耐久性 | | Shelf Life Test 高温无负荷 | |
| | Test Time 测试时长 | 1,000 Hrs at 105°C; V _R | | 1,000 Hrs at 105°C | |
| | Cap. Change 容量变化率 | Within ±30% of initial Value ≤ 初始值的±30% | | Within ±30% of initial Value ≤ 初始值的±30% | |
| | Tanδ 损失角正切值 | Less than 300% of specified Value ≤ 初始规格值的±300% | | Less than 300% of specified Value ≤ 初始规格值的±200% | |
| | Leakage Current 漏电流 | Whitin specified Value ≤ 初始规格值 | | Whitin specified Value ≤ 初始规格值 | |
| Ripple Current and Frequency Multipliers 纹波电流频率系数 | Frequency (Hz) | 50, 60 | 120 | 1k | 10k up |
| | Multiplier | 0.70 | 1.00 | 1.30 | 1.40 |
| Standards 参考标准 | JIS C 5101-1, -18, IEC 60384-4 | | | | |
| Remarks 附注 | RoHS Compliance, Halogen-free | | | | |

* Please refer to "Precautions and Guidelines for Aluminum Electrolytic Capacitors" section in catalog for further details 详细信息请参阅目录中的“铝电解电容器注意事项和指南”

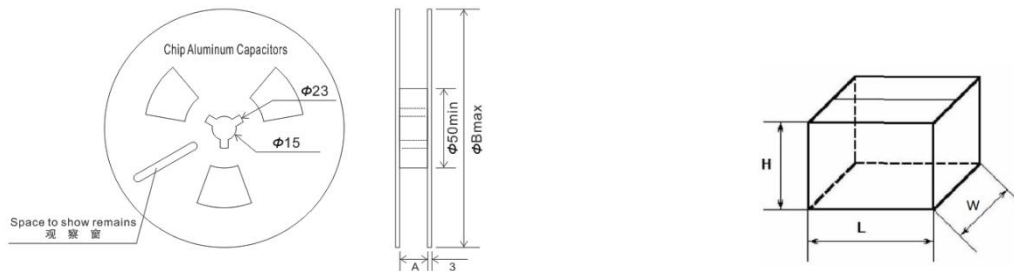
| | | | | |
|-----------------------|------------|-------------|------------|-------------|
| Publication Date 发行日期 | 2022-02-15 | Approved 批准 | Checked 复核 | Designed 设计 |
| Revision Date 修订日期 | | | | |
| Version No. | 1.0 | | | |

■ Taping Specifications 编带规格:



| Case 尺寸 | W (mm) | W1 (mm) | F (mm) | P (mm) | P1 (mm) | P2 (mm) | A (mm) | B (mm) | t1 (mm) | t2 (mm) |
|--------------|--------|---------|--------|--------|---------|---------|--------|--------|---------|---------|
| Tolerance 误差 | ±0.3 | ±0.15 | ±0.1 | ±0.1 | ±0.1 | ±0.1 | ±0.2 | ±0.2 | ±0.1 | ±0.2 |
| Φ6.3x4.5 | 16 | 1.75 | 7.5 | 12 | 2 | 4 | 7 | 7 | 0.4 | 4.8 |

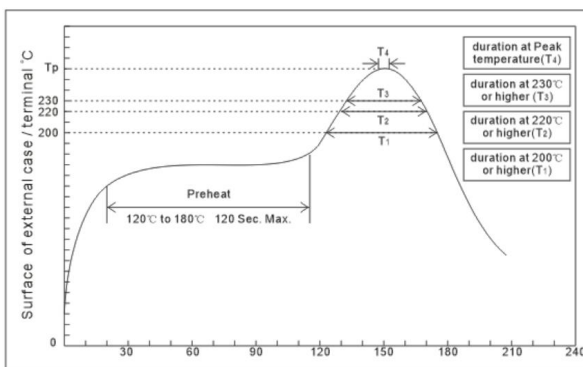
■ Park 包装:



| Case 产品尺寸 | Reel 卷装数量 | Box 盒装数量 | A±0.3(mm) | B±2(mm) | Box size 外箱尺寸(L*W*H) |
|-----------|-----------|----------|-----------|---------|----------------------|
| Φ6.3x4.5 | 1500 | 15000 | 18 | 382 | 395x395x235 |

■ Soldering Conditions 焊接条件:

- The following conditions are recommended for air convection and infrared reflow soldering on the SMD products onto a glass epoxy circuit boards by cream solder. The temperatures shown are the surface temperature values on the top of the can and on the capacitor terminals. 当使用回流焊，在玻璃环氧树脂基板上进行焊接的时候，产品顶部及端子部分温度，时间的推荐范围如下表所示。
- Reflow should be performed twice or less 推荐回流次数不超过 2 次。
- Please ensure that the capacitor became cold enough to the room temperature (5 to 35°C) before the second reflow. 请在第 1 次回流之后，必须确保电容器的温度已经完全冷却到室温 (5~35°C) 后方可进行第 2 次回流。



Note 备注:

- Average ramp-up rate is 5°C/second max 温度上升平均每秒钟最多 5°C;
- Ramp-down rate is 6°C/second max 温度下降平均每秒钟最多 6°C;
- Time from 25°C to peak temperature is 6 minutes max. 从 25°C 上升到峰值温度的时间最多 6 分钟;

| Category 类别 | Time maintained above 200°C (T1) 200°C 以上时间 | Time maintained above 217°C (T2) 217°C 以上时间 (T2) | Time maintained above 230°C (T3) 230°C 以上时间 (T3) | Range of Peak 峰值范围 | | Reflow number 回流焊次数 |
|-------------|--|---|---|--------------------|-----------|------------------------|
| | | | | Temp 温度 | Times 时间 | |
| Φ6.3 | 90 sec. | 60 sec. | 30 sec. | 255°C Max. | 5sec Max. | 2 times or less |