

■ Description 产品描述:

Al-Ecap, 100uF, 16v, ±20%, Ultra-low ESR, D5H5.7mm, 2000Hrs@105°C, -55~+105°C, SMD.

■ Dimension & Marking 印刷及尺寸:



■ Features 特长/用途:

- 105°C, Long life 宽温长寿命
- Ultra-low impedance capacitors 超低阻抗
- Smaller Case 更小尺寸
- 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 | A | B | C | D | P | L | α | W | H |
|----------------|-----|-----|---|-----|-----|-----|------|---------|---------|
| Case Φ5x5.7 | 5.3 | 5.3 | 6 | 5.0 | 1.5 | 5.7 | ±0.3 | 0.5~0.8 | 0.5max. |

| Items 项目 | Performance 性能 | | | | |
|---|---|---|-----------------------------------|---|------|
| Rated Voltage 额定电压(V _R) | 16 V | | | | |
| Capacitance 额定容量(C _R) | 100 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) | 18.4 V _{DC} | | | | |
| Leakage Current 泄漏电流(I _{LC}) | I _{LC} ≤ 16 uA After 2 minutes | | | | |
| Dissipation Factor (Tanδ) 损失角正切值 | ≤ 0.16 (120Hz, 20°C) | | | | |
| Impedance 阻抗 (Z, Ω) | ≤ 0.36 (100kHz, 20°C) | | | | |
| Ripple Current 纹波电流(I _{RC, rms}) | 240 mA (100kHz, 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 & 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 | 2,000 Hrs at 105°C; V _R | | 1,000 Hrs at 105°C | |
| | Cap. Change 容量变化率 | Within ±20% of initial Value ≤ 初始值的 ±20% | | Within ±20% of initial Value ≤ 初始值的 ±20% | |
| | Tanδ 损失角正切值 | Less than 200% of specified Value ≤ 初始规格值的 ±200% | | Less than 200% 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) | 120 | 1k | 10k | 100k |
| | Multiplier | 0.70 | 0.90 | 0.95 | 1.00 |
| 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 | | | | |

