

ESC105M050AC3LA

ESC, Aluminum Electrolytic, 1 uF, 20%, 50 VDC, -40/+105°C, Lead Spacing = 2.5mm



Click [here](#) for the 3D model.

Dimensions

| | |
|-------------|----------------|
| D | 5mm +/-0.5mm |
| L | 11mm +1.5mm |
| S | 2.5mm +/-0.5mm |
| LL Negative | 15mm MIN |
| LL Positive | 20mm MIN |
| F | 0.5mm NOM |

Packaging Specifications

| | |
|--------------------|------|
| Packaging | T&R |
| Packaging Quantity | 1300 |

General Information

| | |
|-------------|-------------------------------------------|
| Series | ESC |
| Dielectric | Aluminum Electrolytic |
| Description | LowESR Single Ended Aluminum Electrolytic |
| Features | Low ESR |
| RoHS | Yes |
| Lead | Formed To 2.5mm |
| AEC-Q200 | No |

Specifications

| | |
|-------------------------|------------------------|
| Capacitance | 1 uF |
| Capacitance Tolerance | 20% |
| Voltage DC | 50 VDC, 63 VDC (Surge) |
| Temperature Range | -40/+105°C |
| Rated Temperature | 105°C |
| Life | 2000 Hrs |
| Dissipation Factor | 8% |
| Resistance | 2.4 Ohms (100kHz) |
| Ripple Current | 40 mAmps (100kHz 105C) |
| Leakage Current | 3 uA (2min 20°C) |
| Impedance Ratio at -25C | 2 |
| Impedance Ratio at -40C | 4 |

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