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Aluminum Electrolytic Capacitors

+85°C General Purpose Surface Mount Chip Aluminum Electrolytic Capacitors

Part Number: 105SML050MD4

[General Specifications \(PDF\)](#)

[Special Order Options](#)

[SML document \(PDF\)](#)



Electrical Specifications

Capacitance: 1.0 μ F

Tolerance: -20 %, +20 %

Dissipation Factor: 0.12 at 120 Hz

ESR: 198.94 Ohms at 20° C and 120 Hz

Impedance:

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Impedance Ratios:

2.0 at at -25°C/20°C

3.0 at at -40°C/20°C

Load Life:

2000 Hours at 85°C with 100% of rated voltage and with 0% of rated ripple current

Temperature Range: -40°C to +85°C

WVDC: 50 volts DC

SVDC: 63.0 volts DC

Leakage Current:

3.0 μ A after 2 Minutes

Ripple Current:

10.0 mA at 120 Hz and 85°C

Physical Specifications

Diameter (D): 4.0 mm + 0.5 mm

Length (L): 5.4 mm + 0.2 mm

Lead Spacing: 1.0 mm +/- 0.2 mm

Lead Wire(R): 0.5 mm to 0.8 mm

Base Length(H): 4.3 mm +/- 0.2 mm

Lead to Lead(C): 5.0 mm +/- 0.2 mm

Base Width(W): 4.3 mm +/- 0.2 mm



