

+85°C General Purpose Surface Mount Aluminum Electrolytic Capacitors



Part Number: 105SML050MD4

This part is RoHS compliant

Electrical Specifications

Capacitance: 1 uF

WVDC: 50 volts DC

Tolerance: -20 %, +20 %

SVDC: 63 volts DC

Dissipation Factor:
0.12 at 120 Hz, 20°C

Temperature Range:
-40°C to +85°C

Impedance:

Impedance Ratios:
-25°C/20°C - 2
-40°C/20°C - 3

ESR:
198.94 Ohms at 120 Hz and 20°C

Ripple Current:
10 mA at 120 Hz and 85°C

Leakage Current:
.01CV or 3uA, whichever is greater
3.0 uA after 2 Minutes

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

Frequency Multipliers

50 Hz	120 Hz	400 Hz	1 KHz	10 KHz	100 KHz
0.8	1	1	1.1	1.5	1.5

Temperature Multipliers

45°C	60°C	65°C	70°C	75°C	85°C	105°C	125°C
1.35	1.35	1.35	1.35	1	1	0	0

Physical Specifications

Diameter (D):	4 mm + 0.5 mm
Length (L):	5.4 mm + 0.2 mm
Pad Spacing(C):	5 mm +/- 0.2 mm
Lead Width (R):	0.5 mm to 0.8 mm
Lead Spacing (P):	1 mm +/- 0.2 mm
Pad Length(H):	4.3 mm +/- 0.2 mm
Pad Width(W):	4.3 mm +/- 0.2 mm

