

+85°C General Purpose Surface Mount Aluminum Electrolytic Capacitors

Part Number: 107SML050M



This part is RoHS compliant

Electrical Specifications

Capacitance: 100 μ F

Tolerance: -20 %, +20 %

WVDC: 50 volts DC

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:
1.99 Ohms at 120 Hz and 20°C

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

Leakage Current:
.01CV or 3 μ A, whichever is greater
50.0 μ A 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):	8 mm + 0.5 mm
Length (L):	10.2 mm + 0.5 mm
Pad Spacing(C):	9 mm +/- 0.2 mm
Lead Width (R):	0.8 mm to 1.1 mm
Lead Spacing (P):	3.2 mm +/- 0.2 mm
Pad Length(H):	8.3 mm +/- 0.2 mm
Pad Width(W):	8.3 mm +/- 0.2 mm

