

+85°C General Purpose Surface Mount Aluminum Electrolytic Capacitors

Part Number: 476SML050M



This part is RoHS compliant

Electrical Specifications

Capacitance: 47 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:
4.23 Ohms at 120 Hz and 20°C

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

Leakage Current:
.01CV or 3uA, whichever is greater
23.5 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):	6.3 mm + 0.5 mm
Length (L):	7.7 mm + 0.3 mm
Pad Spacing(C):	7.3 mm +/- 0.2 mm
Lead Width (R):	0.5 mm to 0.8 mm
Lead Spacing (P):	2.2 mm +/- 0.2 mm
Pad Length(H):	6.6 mm +/- 0.2 mm
Pad Width(W):	6.6 mm +/- 0.2 mm

