

474SML050MD4

SURFACE MOUNT

Parts are RoHS compliant

Date code when parts became RoHS: 26

APPLICATIONS: General purpose, filtering, bypass, filtering

ELECTRICAL SPECIFICATIONS

Capacitance: 0.47 uF
Dissipation Factor: 0.12 Max at 120 Hz and 20°C
Temperature Range: -40°C to +85°C
ESR: 423.28 Ohms Max at 20°C and 120 Hz
Impedance: N/A

Tolerance: -20 %, +20 %
WVDC: 50 Volts DC
SVDC: 63 Volts DC
Ripple Current: 6.8 mA at 120 Hz and 85°C
Impedance Ratios:-25°C/20°C 2 and -40°C/20°C - 3

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

Load Life: 2000 hours at 85°C with 100 % of rated voltage and with 0 % of rated ripple current
Capacitance Change: ≤20% of initial measured value
Dissipation Factor: ≤200% of maximum specified value
Leakage Current: ≤100% of maximum specified value

Frequency Multipliers:

50 HZ	120 HZ	400 HZ	1 KHZ	10 KHZ	100 KHZ
0.7	1	1.17	1.36	1.5	1.5

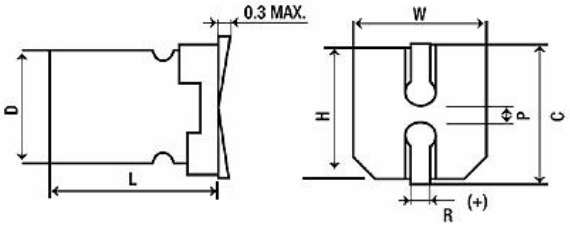
Temperature Multipliers:

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

PHYSICAL DIMENSIONS

Diameter (D): 4 mm + 0.5 mm
Length (L): 5.4 mm + 0.2 mm
Lead Spacing (S): 1 mm +/- 0.2 mm

Lead Wire Diameter (d): 0.65 mm +/- 0.15 mm
Lead Length: 3 mm +/- 0.2 mm
Lead Finish: Matte Tin



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