

PART NUMBER: 476SML025M

SURFACE MOUNT

Parts are RoHS compliant

Date code when parts became RoHS: 26



FEATURES

Small size, low cost

APPLICATIONS

General purpose, filtering, bypass, filtering

ELECTRICAL SPECIFICATIONS

Capacitance: 47 μ F

Dissipation Factor: 0.16 Max at 120 Hz and 20°C

Temperature Range: -40°C to +85°C

ESR: 5.644 Ohms Max at 20°C and 120 Hz

Impedance: N/A

Tolerance: -20 % , +20 %

WVDC: 25 Volts DC

SVDC: 32 Volts DC

Ripple Current: 70 mA at 120 Hz and 85°C

Impedance Ratios:

-25°C/20°C - 2

-40°C/20°C - 4

Leakage Current: .03CV or 4 μ A, whichever is greater

11.75 μ A after 1 Minute

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

Capacitance Change: $\leq$ 20% of initial measured value

Dissipation Factor: $\leq$ 200% of maximum specified value

Leakage Current: $\leq$ 100% of maximum specified value

Ripple Current Multipliers

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
2	1.9	1.7	1.8	1.4	1.4	1	0

PHYSICAL DIMENSIONS

Diameter (D): 6.3 mm + 0.5 mm

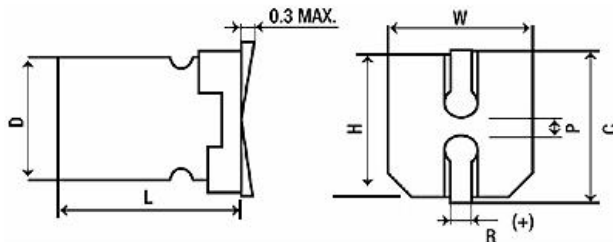
Length (L): 5.4 mm + 0.2 mm

Lead Spacing (S): 2.2 mm +/- 0.2 mm

Lead Wire Diameter (d): 0.5 mm +/- 0.8 mm

Lead Length: 2.4 mm +/- mm

Lead Finish: Matte Tin



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