



476STF016M

RADIAL LEAD LOW PROFILE

Parts are RoHS compliant

Date code when parts became RoHS: 15

APPLICATIONS: General Purpose, Bypass, coupling, Filtering, Handheld devices

ELECTRICAL SPECIFICATIONS

Capacitance: 47 μ F

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

Temperature Range: -40°C to +105°C

ESR: 7.055 Ohms Max at 20°C and 120 Hz

Impedance: N/A

Tolerance: -20 %, +20 %

WVDC: 16 Volts DC

SVDC: 20 Volts DC

Ripple Current: 50 mA at 120 Hz and 105°C

Impedance Ratios: -25°C/20°C 2 and -40°C/20°C - 6

Leakage Current: .01CV or 3 μ A, whichever is greater
7.52 μ A after 2 Minutes

Load Life: 1000 hours at 105°C with 100 % of rated voltage and with % of rated ripple current

Capacitance Change: \leq 25% of initial measured value

Dissipation Factor: \leq 200% of maximum specified value

Leakage Current: of maximum specified value

Frequency Multipliers:

50 HZ	120 HZ	400 HZ	1 KHZ	10 KHZ	100 KHZ
0.8	1	1	1.3	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 mm + 1 mm

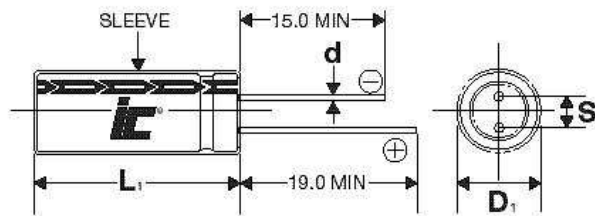
Lead Spacing (S): 2.5 mm +/- 0.5 mm

Coating: BlackPET sleeving

Lead Wire Diameter (d): 0.45 mm +/- 0.05 mm

Lead Length: 15 mm +/- MIN mm

Lead Finish: Matte Tin



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