



## 106STF016M

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:** 10 uF

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

**Temperature Range:** -40°C to +105°C

**ESR:** 26.54 Ohms Max at 20°C and 120 Hz

**Impedance:** N/A

**Tolerance:** -20 %, +20 %

**WVDC:** 16 Volts DC

**SVDC:** 20 Volts DC

**Ripple Current:** 18 mA at 120 Hz and 105°C

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

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

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

**Capacitance Change:** ≤25% of initial measured value

**Dissipation Factor:** ≤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):** 4 mm + 0.5 mm

**Length (L):** 5 mm + 1 mm

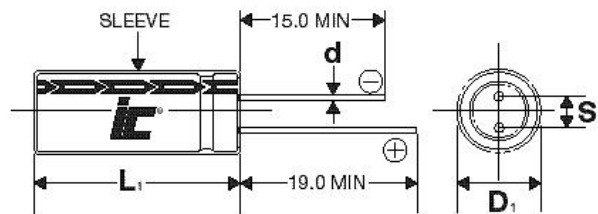
**Lead Spacing (S):** 1.5 mm +/- 0.5 mm

**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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