



225CK5100M

RADIAL LEAD GENERAL PURPOSE

Parts are RoHS compliant

Date code when parts became RoHS: 23

APPLICATIONS: General Purpose, bypass, coupling, filtering

ELECTRICAL SPECIFICATIONS

Capacitance: 2.2 uF

Dissipation Factor: 0.08 Max at 120 Hz and 20°C

Temperature Range: -40°C to +85°C

Impedance: N/A

Tolerance: -20 %, +20 %

WVDC: 100 Volts DC

SVDC: 125 Volts DC

Ripple Current: 40 mA at 120 Hz and 85°C

Impedance Ratios:-25°C/20°C 2 and -40°C/20°C - 3

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

4 uA after 1 Minute

.01CV or 3uA, whichever is greater

3.3uA 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 |
|-------|--------|--------|-------|--------|---------|
| 0.8 | 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 |
|------|------|------|------|------|------|-------|-------|
| 1.8 | 1.7 | 1.4 | 1.6 | 1 | 1 | 0 | 0 |

PHYSICAL DIMENSIONS

Diameter (D): 5 mm + 0.5 mm

Length (L): 11 mm + 1.5 mm

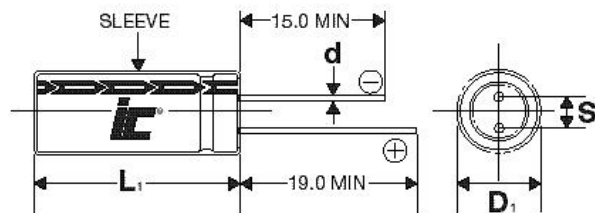
Lead Spacing (S): 2 mm +/- 0.5 mm

Coating: BlackPET sleeving

Lead Wire Diameter (d): 0.5 mm +/- 0.05 mm

Lead Length: 15 mm +/- MIN mm

Lead Finish: Matte Tin



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