



## 478CKS050MLCG

RADIAL LEAD GENERAL PURPOSE

Parts are RoHS compliant

Date code when parts became RoHS: 1406

**APPLICATIONS:** General Purpose, bypass, coupling, filtering

### ELECTRICAL SPECIFICATIONS

**Capacitance:** 4700  $\mu$ F

**Dissipation Factor:** 0.18 Max at 120 Hz and 20°C

**Temperature Range:** -40°C to +85°C

**Impedance:** N/A

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

**WVDC:** 50 Volts DC

**SVDC:** 63 Volts DC

**Ripple Current:** 3340 mA at 120 Hz and 85°C

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

**Leakage Current:** .03CV or 4 $\mu$ A, whichever is greater

2350  $\mu$ A after 1 Minute

.01CV or 3 $\mu$ A, whichever is greater

$\mu$ A after 2 Minutes

**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

#### Frequency Multipliers:

| 50 HZ | 120 HZ | 400 HZ | 1 KHZ | 10 KHZ | 100 KHZ |
|-------|--------|--------|-------|--------|---------|
| 0.85  | 1      | 1.1    | 1.3   | 1.15   | 1.4     |

#### 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):** 18 mm + 0.5 mm

**Length (L):** 40 mm + 2 mm

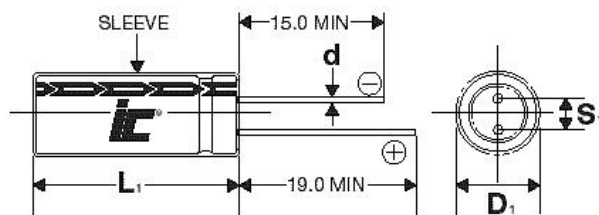
**Lead Spacing (S):** 7.5 mm +/- 0.5 mm

**Coating:** BlackPET sleeving

**Lead Wire Diameter (d):** 0.8 mm +/- 0.05 mm

**Lead Length:** 15 mm +/- MIN mm

**Lead Finish:** Matte Tin



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