



157AXZ050M

SURFACE MOUNT

Parts are RoHS compliant

Date code when parts became RoHS: 23

APPLICATIONS: switching power supplies, Input filtering

ELECTRICAL SPECIFICATIONS

Capacitance: 150 uF

Dissipation Factor: 0.14 Max at 120 Hz and 20°C

Temperature Range: -55°C to +105°C

ESR: 1.547 Ohms Max at 20°C and 120 Hz

Impedance: 0.18Ohms100 kHz20°C

--

Tolerance: -20 %, +20 %

WVDC: 50 Volts DC

SVDC: 63 Volts DC

Ripple Current: 670 mA at 100 kHz and 105°C

Impedance Ratios:-25°C/20°C 2 and -55°C/20°C - 3

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

Load Life: 2000 hours at 105°C with 100 % of rated voltage and with 0 % of rated ripple current

Capacitance Change: ≤30% of initial measured value

Dissipation Factor: ≤300% 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 |
|-------|--------|--------|-------|--------|---------|
| 0.64 | 0.5 | 0.64 | 0.83 | 0.83 | 1 |

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): 10 mm + 0.5 mm

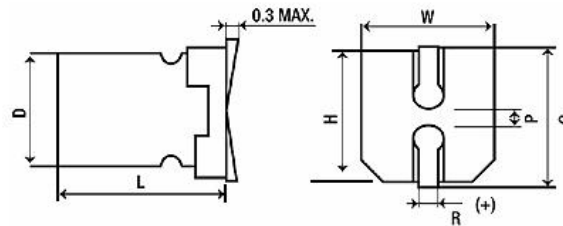
Length (L): 10.5 mm + 0.5 mm

Lead Spacing (S): 4.6 mm +/- 0.2 mm

Lead Wire Diameter (d): 1.25 mm +/- 0.15 mm

Lead Length: 3.2 mm +/- 0.2 mm

Lead Finish: Matte Tin



3757 W. Touhy Ave. Lincolnwood, IL 60712 (847) 675-1760 FAX (847) 673-2850
Illinois Capacitor (HK) Ltd., Tel: 85227930931, Fax: 85227930731, www.ilicap.com.hk
© Copyright 2017 Illinois Capacitor. A division of Cornell Dubilier, All Rights Reserved