



## 277LMH350MZDC

SNAP-IN/ SNAP MOUNT

Parts are RoHS compliant

Date code when parts became RoHS: 27

**APPLICATIONS:** Filtering, switching power supplies

### ELECTRICAL SPECIFICATIONS

**Capacitance:** 270  $\mu$ F

**Dissipation Factor:** 0.15 Max at 120 Hz and 20°C

**Temperature Range:** -25°C to +105°C

**Impedance:** N/A

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

**WVDC:** 350 Volts DC

**SVDC:** 400 Volts DC

**Ripple Current:** 1.1 A at 120 Hz and 105°C

**Impedance Ratios:** -25°C/20°C 8 and - - -

**Leakage Current:**  $3\sqrt{CV}$

922  $\mu$ A after 5 Minutes

**Load Life:** 2000 hours at 105°C with 100 % of rated voltage and with 100 % 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 |
|-------|--------|--------|-------|--------|---------|
| 0.8   | 1      | 1      | 1.3   | 1.47   | 1.47    |

**Temperature Multipliers:**

| 45°C | 60°C | 70°C | 65°C | 75°C | 85°C | 105°C | 125°C |
|------|------|------|------|------|------|-------|-------|
| 2.5  | 2.2  | 2    | 2    | 1.8  | 1.8  | 1     | 0     |

### PHYSICAL DIMENSIONS

**Diameter (D):** 30 mm + 1 mm

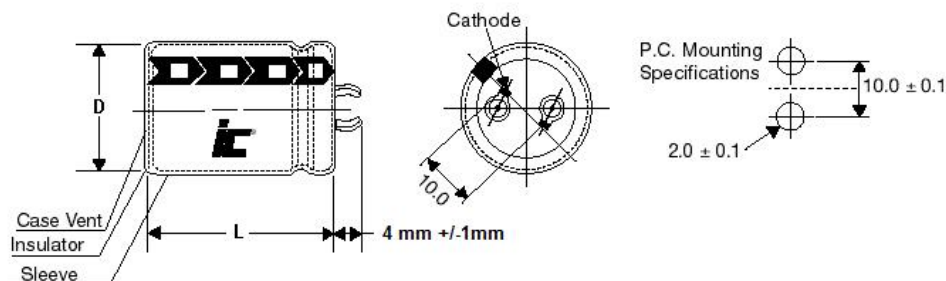
**Length (L):** 25 mm + 2 mm

**Coating:** GreenPET sleeving

**Lead Wire Diameter (d):** 1.5 mm +/- 0.5 mm

**Lead Length:** 4 mm +/- 1 mm

**Lead Finish:** Matte Tin



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