



257DCN2R7SDP

High pulse power, extends battery life

Parts are RoHS compliant

APPLICATIONS: Battery backup, Battery alternative, LED displays, Mechanical actuators

ELECTRICAL SPECIFICATIONS

Capacitance: 250 F

Temperature Range: -40°C to +60°C

ESR (AC): 13 milliOhms Max at 20°C and 1 kHz

ESR (DC): 18 milliOhms Max at 20°C and DC

Tolerance: -20 % , +50 %

WVDC: 2.7 Volts DC

SVDC: 2.8 Volts DC

Weight: 47.5 grams

Volume: 38.877 ml

Maximum stored energy: 253.125 Watt hours

Maximum Current: 61.4 Amps (1 second discharge to 1/2 the rated voltage)

Operating Current: 9.1 Amps (5 sec discharge to 1/2 rated voltage)

Leakage Current: 0.8 mA after 72 hours

Specific Energy:

Specific Power:

Gravimetric Density: 5.3289 Wh/kg

Gravimetric Density: 1.0297 kW/kg

Volumetric Density: 6.5109 Wh/l

Volumetric Density: 1.2628 kW/l

Load Life: 1000 hours at 60°C with 100% of rated voltage applied

Max Capacitance Change: ≤30% of initially measured value

ESR Change: ≤200% of maximum specified value

PHYSICAL DIMENSIONS

Diameter (D): 30 mm, +/- 1 mm

Length (L): 55 mm, +/- 2 mm

Height (H): mm, +/- mm

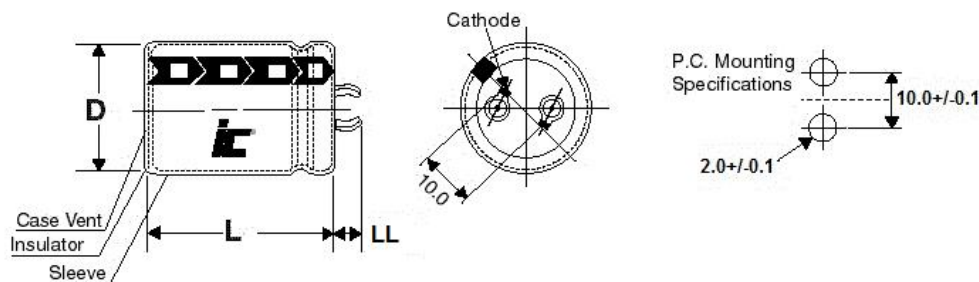
Thickness (T): mm, +/- mm

Termination Finish: Matte Tin

Lead Spacing (S): 10 mm, +/-0.5 mm

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

Lead Length (LL): 4mm, +/- 1 mm



3757 W. Touhy Ave. Lincolnwood, IL 60712 (847) 675-1760 FAX (847) 673-2850
Illinois Capacitor (HK) Ltd., Tel: 85227930931, Fax: 85227930731, www.illcap.com.hk
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