



157DCN2R7M

High pulse power, extends battery life

Parts are RoHS compliant

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

ELECTRICAL SPECIFICATIONS

Capacitance: 150 F

Temperature Range: -40°C to +60°C

ESR (AC): 16 milliOhms Max at 20°C and 1 kHz

ESR (DC): 25 milliOhms Max at 20°C and DC

Tolerance: -20 % , +20 %

WVDC: 2.7 Volts DC

SVDC: 2.8 Volts DC

Weight: 31.3 grams

Volume: 26.998 ml

Maximum stored energy: 151.875 Watt hours

Maximum Current: 42.6 Amps (1 second discharge to 1/2 the rated voltage)

Operating Current: 7 Amps (5 sec discharge to 1/2 rated voltage)

Leakage Current: 0.55 mA after 72 hours

Specific Energy:

Specific Power:

Gravimetric Density: 4.8522 Wh/kg

Gravimetric Density: 1.118 kW/kg

Volumetric Density: 5.6254 Wh/l

Volumetric Density: 1.2961 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): 25 mm, +/- 1 mm

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

Height (H): mm, +/- mm

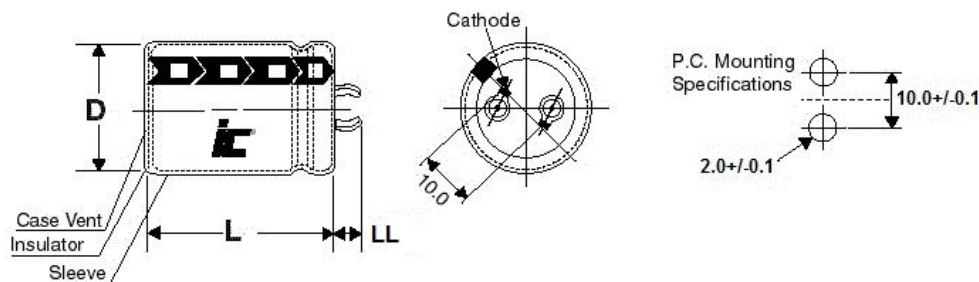
Thickness (T): mm, +/-0.3 mm

Termination Finish: Matte Tin

Lead Spacing (S): 10 mm, +/-1.0 mm

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

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



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