

107DCN2R7Q

High pulse power, extends battery life

Parts are RoHS compliant

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

ELECTRICAL SPECIFICATIONS

Capacitance: 100 F
Temperature Range: -40°C to +60°C
ESR (AC): 18 milliOhms Max at 20°C and 1 kHz
ESR (DC): 28 milliOhms Max at 20°C and DC

Tolerance: -10 % , +30 %
WVDC: 2.7 Volts DC
SVDC: 2.8 Volts DC

Weight: 21.96 grams
Maximum stored energy: 101.25 Watt hours

Volume: 17.106 ml

Maximum Current: 35.5 Amps (1 second discharge to 1/2 the rated voltage)
Operating Current: 5.8 Amps (5 sec discharge to 1/2 rated voltage)
Leakage Current: 0.3 mA after 72 hours

Specific Energy:

Gravimetric Density: 4.6107 Wh/kg
Volumetric Density: 5.919 Wh/l

Specific Power:

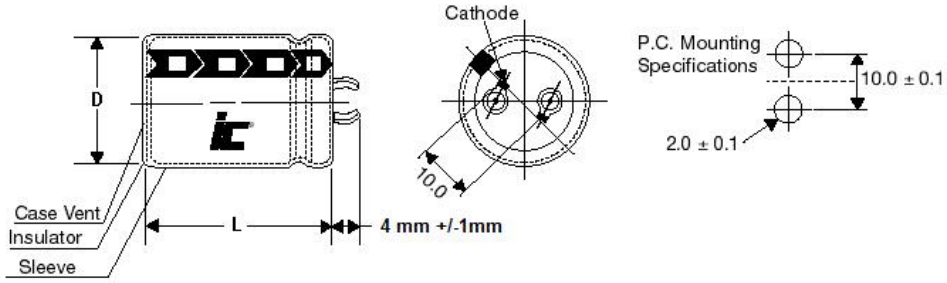
Gravimetric Density: 1.4227 kW/kg
Volumetric Density: 1.8264 kW/l

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): 22 mm, +/- 1 mm
Length (L): 45 mm, +/- 2 mm
Height (H): mm, +/- mm
Thickness (T): mm, +/- mm
Termination Finish: Matte Tin

Lead Spacing (S): 10 mm, +/-0.1 mm
Lead Diameter (d): 1.5 mm, +/-0.5 mm
Lead Length (LL): 4mm, +/- 1 mm



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