



505DCN2R7Q

High pulse power, extends battery life
Parts are RoHS compliant

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

ELECTRICAL SPECIFICATIONS

Capacitance: 5 F

Temperature Range: -40°C to +60°C

ESR (AC): 110 milliOhms Max at 20°C and 1 kHz

ESR (DC): 200 milliOhms Max at 20°C and DC

Tolerance: -10 % , +30 %

WVDC: 2.7 Volts DC

SVDC: 2.8 Volts DC

Weight: 2.5 grams

Maximum Stored Energy: 5.0625 mWH

Volume: 1.571 ml

Maximum Current: 6.75 Amps (1 second discharge to 1/2 the rated voltage)

Operating Current: 1.13 Amps (5 sec discharge to 1/2 rated voltage)

Leakage Current: 0.015 mA after 72 hours

Specific Energy:

Specific Power:

Gravimetric Density: 2.025 Wh/kg

Volumetric Density: 3.2229 Wh/l

Gravimetric Density: 1.7496 kW/kg

Volumetric Density: 2.7846 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): 10 mm, +/- 0.5 mm

Length (L): 20 mm, +/- 1.5 mm

Height (H): mm, +/- mm

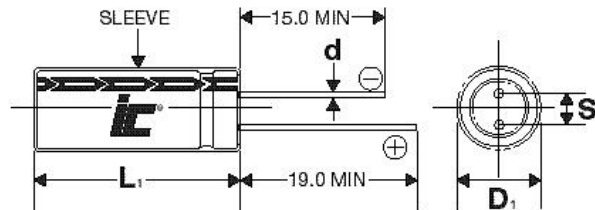
Thickness (T): mm, +/- mm

Termination Finish: Matte Tin

Lead Spacing (S): 5 mm, +/-0.5 mm

Lead Diameter (d): 0.6 mm, +/-0.05 mm

Lead Length (LL): 15mm, +/- Min mm



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