



306DCN2R7M

High pulse power, extends battery life

Parts are RoHS compliant

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

ELECTRICAL SPECIFICATIONS

Capacitance: 30 F

Temperature Range: -40°C to +60°C

ESR (AC): 30 milliOhms Max at 20°C and 1 kHz

ESR (DC): 60 milliOhms Max at 20°C and DC

Tolerance: -20 % , +20 %

WVDC: 2.7 Volts DC

SVDC: 2.8 Volts DC

Weight: 8.08 grams

Maximum stored energy: 30.375 Watt hours

Volume: 6.032 ml

Maximum Current: 14.5 Amps (1 second discharge to 1/2 the rated voltage)

Operating Current: 2.7 Amps (5 sec discharge to 1/2 rated voltage)

Leakage Current: 0.07 mA after 72 hours

Specific Energy:

Specific Power:

Gravimetric Density: 3.7593 Wh/kg

Volumetric Density: 5.0358 Wh/l

Gravimetric Density: 1.8045 kW/kg

Volumetric Density: 2.4172 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): 16 mm, +/- 0.5 mm

Length (L): 30 mm, +/- 2 mm

Height (H): mm, +/-0.3 mm

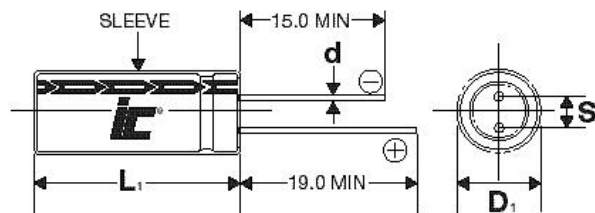
Thickness (T): mm, +/-0.3 mm

Termination Finish: Matte Tin

Lead Spacing (S): 7.5 mm, +/-0.5 mm

Lead Diameter (d): 0.8 mm, +/-0.05 mm

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



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