

304DCN2R7SCBB

High pulse power, extends battery life

Parts are RoHS compliant

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

ELECTRICAL SPECIFICATIONS

Capacitance: 0.3 F
Temperature Range: -40°C to +60°C
ESR (AC): 1000 milliOhms Max at 20°C and 1 kHz
ESR (DC): 1500 milliOhms Max at 20°C and DC

Tolerance: -20 % , +50 %
WVDC: 2.7 Volts DC
SVDC: 2.8 Volts DC

Weight: 2.012 grams
Maximum stored energy: 0.30375 Watt hours

Volume: 0.0138 ml

Maximum Current: 0.5 Amps (1 second discharge to 1/2 the rated voltage)
Operating Current: .2 Amps (5 sec discharge to 1/2 rated voltage)
Leakage Current: 0.006 mA after 72 hours

Specific Energy:

Gravimetric Density: 1.2 Wh/kg
Volumetric Density: 0.879 Wh/l

Specific Power:

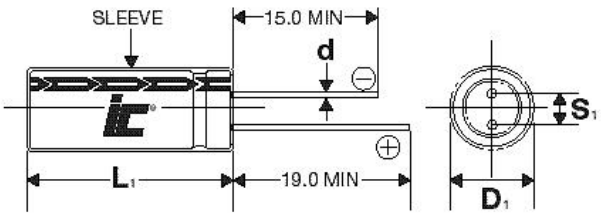
Gravimetric Density: 2.333 kW/kg
Volumetric Density: 13.18 kW/l

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): 4 mm, +/- 0.5 mm
Length (L): 11 mm, +/- 1.5 mm
Height (H): mm, +/- mm
Thickness (T): mm, +/- mm
Termination Finish: Matte Tin

Lead Spacing (S): 1.5 mm, +/-0.5 mm
Lead Diameter (d): 0.45 mm, +/-0.05 mm
Lead Length (LL): 15mm, +/- MIN 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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