



## 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 mWH

**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:**

**Specific Power:**

**Gravimetric Density:** 1.2 Wh/kg

**Volumetric Density:** 0.879 Wh/l

**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

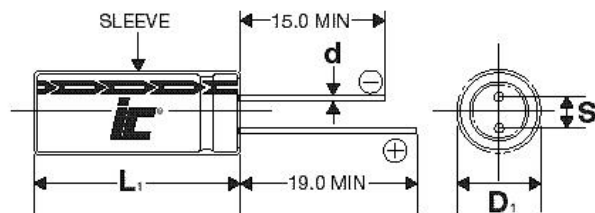
**Thickness (T):** mm, +/- mm

**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



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