



## 105DCN5R5M

High pulse power, extends battery life  
Parts are RoHS compliant

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

### ELECTRICAL SPECIFICATIONS

**Capacitance:** 1 F

**Temperature Range:** -40°C to +60°C

**ESR (AC):** 600 milliOhms Max at 20°C and 1 kHz

**ESR (DC):** 850 milliOhms Max at 20°C and DC

**Tolerance:** -20 % , +20 %

**WVDC:** 5.5 Volts DC

**SVDC:** 6 Volts DC

**Weight:** 3.5 grams

**Maximum stored energy:** 4.2139 Watt hours

**Volume:** 3.071 ml

**Maximum Current:** 1.42 Amps (1 second discharge to 1/2 the rated voltage)

**Operating Current:** .46 Amps (5 sec discharge to 1/2 rated voltage)

**Leakage Current:** 0.1 mA after 72 hours

**Specific Energy:**

**Specific Power:**

**Gravimetric Density:** 1.1571 Wh/kg

**Volumetric Density:** 1.3187 Wh/l

**Gravimetric Density:** 1.1109 kW/kg

**Volumetric Density:** 1.2659 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):** mm, +/- 0.5 mm

**Length (L):** 17.5 mm, +/- 1 mm

**Height (H):** 19.5 mm, +/-1 mm

**Thickness (T):** 9 mm, +/-1 mm

**Termination Finish:** Matte Tin

**Lead Spacing (S):** 11.8 mm, +/-0.5 mm

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

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

