## **3V Radial lead Supercapacitors**

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## Part Number: DSF607Q3R0L

**RoHS** compliant

## **Electrical Specifications**

Capacitance: 600 F **Tolerance:** +30 %, -10 % **TEMPERATURE RANGE:** -40°C to +65°C Maximum stored energy: 0.75 Watt hours ESR (AC): 3 mΩ at 1 kHz, 20°C Maximum Current: 290.32 Amps (1 second discharge to 1/2 the rated voltage)

> Short circuit current: 857A

**Energy Density:** 9.146 Wh/kg **Energy Density (Volumetric):** 11.14 Wh/I Load Life:

1000 hours at 65°C and 100 % of rated voltage applied

Max Capacitance change: ESR change:

≤30% of initially measured value ≤200% of maximum specified value

WVDC: 3 Volts DC SVDC: 3.15 Volts DC Volume: 67.348 mL Weight: 82 grams ESR (DC): 3.5 mΩ at DC, 20°C **Operating Current:** 126.76 Åmps (5 sec discharge to 1/2 rated voltage)

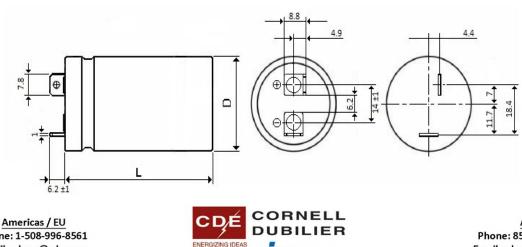
**Power Density:** 3.763 kW/kg **Power Density(Volumetric):** 4.582 kW/l Leakage Current:

1.5 mA after applying rated voltage for 72 hours at room temperature

Diameter (D): Length (L): Lead Spacing (S): Lead Length (LL): Sleeving : Termination Finish:

## **Physical Dimensions:** 35 mm, + 1 mm

70 mm. + 2 mm 14 mm, +/- 1 mm 6.2 mm, +/- 1 mm Black PET sleeving Matte Tin



ILLINOIS CAPACITOR

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