

# 3V Radial lead Supercapacitors

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## Part Number: DSF607Q3R0L

RoHS compliant

### Electrical Specifications

<b>Capacitance:</b> 600 F	<b>WVDC:</b> 3 Volts DC
<b>Tolerance:</b> +30 %, -10 %	<b>SVDC:</b> 3.15 Volts DC
<b>TEMPERATURE RANGE:</b> -40°C to +65°C	<b>Volume:</b> 67.348 mL
<b>Maximum stored energy:</b> 0.75 Watt hours	<b>Weight:</b> 82 grams
<b>ESR (AC):</b> 3 mΩ at 1 kHz, 20°C	<b>ESR (DC):</b> 3.5 mΩ at DC, 20°C
<b>Maximum Current:</b> 290.32 Amps (1 second discharge to 1/2 the rated voltage)	<b>Operating Current:</b> 126.76 Amps (5 sec discharge to 1/2 rated voltage)
<b>Short circuit current:</b> 857A	
<b>Energy Density:</b> 9.146 Wh/kg	<b>Power Density:</b> 3.763 kW/kg
<b>Energy Density (Volumetric):</b> 11.14 Wh/l	<b>Power Density(Volumetric):</b> 4.582 kW/l
<b>Load Life:</b> 1000 hours at 65°C and 100 % of rated voltage applied	<b>Leakage Current:</b> 1.5 mA after applying rated voltage for 72 hours at room temperature
<b>Max Capacitance change:</b> ≤30% of initially measured value	
<b>ESR change:</b> ≤200% of maximum specified value	

### Physical Dimensions:

<b>Diameter (D):</b>	35 mm, + 1 mm
<b>Length (L):</b>	70 mm, + 2 mm
<b>Lead Spacing (S):</b>	14 mm, +/- 1 mm
<b>Lead Length (LL):</b>	6.2 mm, +/- 1 mm
<b>Sleeving :</b>	Black PET sleeving
<b>Termination Finish:</b>	Matte Tin

