

PART NUMBER: 105DCV5R5ZLD

SUPERCAPACITOR

Parts are RoHS compliant



APPLICATIONS

Battery backup, Power meters, UPS systems

ELECTRICAL SPECIFICATIONS

Capacitance: 1 F

Temperature range: -25°C to +70°C

ESR (AC): 25 at and

ESR (DC): 40 at and

Weight: 3.2 grams

Maximum stored energy: 0.0042014 Watt hours

Maximum Current: 2.75 Amps (1 second discharge to 1/2 the rated voltage)

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

Leakage Current: - - after -

Tolerance: -20 % , +80 %

WVDC: 5.5 Volts DC

SVDC: 6 Volts DC

Volume: 1.2759 mL

SPECIFIC ENERGY

Gravimetric Density: 1.3129 Wh/kg

Volumetric Density: 3.2929 Wh/l

Load Life: 1000 hours at 70°C with 100% of rated voltage applied

Max Capacitance change: ≤30% of initially measured value

ESR change: ≤200% of maximum specified value

SPECIFIC POWER

Gravimetric Density: kW/kg

Volumetric Density: kW/l

PHYSICAL DIMENSIONS

Diameter (D): 19 mm, +/- 0.5 mm

Length (L): 4.5 mm, +/- 0.5 mm

Height (H): mm, +/- mm

Thickness (T): mm, +/- mm

Termination Finish: Matte Tin

Lead Spacing (S): 5 mm, +/-0.5 mm

Lead Diameter (d): 1 mm, +/-0.1 mm

Lead Length (LL): 23.5mm, +/- 0.5 mm

