

PART NUMBER: 155DCH5R5ZLD

SUPERCAPACITOR

Parts are RoHS compliant



APPLICATIONS

Battery backup, Power meters, UPS systems

ELECTRICAL SPECIFICATIONS

Capacitance: 1.5 F

Temperature Range: -25°C to +70°C

ESR: 25 Ohms at 20°C and 1 kHz

ESR (DC): 40 Ohms at DC and 20°C

Weight: 3.95 grams

Maximum stored energy: 15.125 Watt hours

Maximum Current: 4.125 Amps (1 second discharge to 1/2 the rated voltage)

Tolerance: -20 % , +80 %

WVDC: 5.5 Volts DC

SVDC: 6 Volts DC

Volume: 1.2759 ml

SPECIFIC ENERGY

Gravimetric Density: 1.5955 Wh/kg

Volumetric Density: 4.9394 Wh/l

Load Life: 500 hours at 70°C with 100% of rated voltage applied

Max Capacitance Change: $\leq 30\%$ of initially measured value

ESR Change: $\leq 400\%$ of maximum specified value

SPECIFIC POWER

PHYSICAL DIMENSIONS

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

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

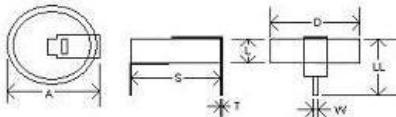
Termination Finish: Matte Tin

Lead Spacing (S): 20 mm, +/- 0.5 mm

Lead Wire Diameter (d): 0.8 mm, +/- 0.1 mm

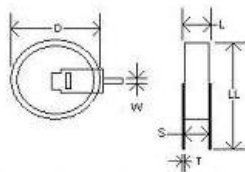
Lead Length (LL): 10 mm, +/- 0.5 mm

Lead style: DCH



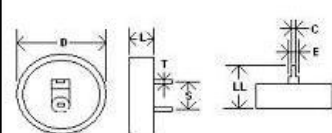
D+0.5	6.8	9.6	9.7	11.5	12.7	18.8	19	20.2	24.6	24.7
L+0.5	4.9	4.2	5.3	4.5	4.1	4.3	4.5	4.9	3	4.9
S+0.5	7.1	9.9	9.8	10.5	13.1	19	20	20.5	24.7	24.7
A+0.5	7.2	9.9	10	12.4	13.1	19.2	20.5	21	25	25
T+0.05	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
W+0.1	0.8	0.8	0.8	0.8	0.8	1.0	0.8	1.8	1.8	1.8
LL+0.5	7	3.8	10.8	10.5	9.8	9.2	10	9	9.0	10

Lead style: DCV



D+0.5	6.8	9.4	9.7	11.5	12.7	18.8	19	20.2	24.7	24.7
L+0.5	4.6	4.6	5.5	4.5	4.5	4.3	4.5	4.6	3	6.3
S+0.5	4.9	5.9	5.9	5	4.9	4.7	5	4.9	3.2	6.7
LL+0.5	10.2	14.8	14.1	16	17.5	23	23.5	23.9	28.3	28.3
W+0.1	0.5	0.8	0.8	0.8	0.8	1.0	1.0	1.0	1.0	1.0
T+0.05	.15	0.2	1.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Lead style: DCC



D+0.5	13.5	20.5	20.5
L+0.5	7	7	7.5
S+0.5	5	5	5
T+0.05	0.5	0.5	0.5
C+0.05	0.8	0.8	0.8
E+0.05	1.2	2.0	2.0
LL+0.5	13.5	12.5	12.5



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