

DGH335Q2R7

+65°C Low ESR Supercapacitor

Parts are RoHS compliant

ELECTRICAL SPECIFICATIONS

Capacitance: 3.3 F
Tolerance: -10 % , +30 %
Temperature Range: -40°C to +65°C
WVDC: 2.7 Volts DC
ESR (AC): 80 milliOhms Max at 20°C and 1 kHz
SVDC: 2.8 Volts DC
ESR (DC): 150 milliOhms Max at 20°C and DC

Weight: 1.5 grams
Volume: 1.005 ml
Maximum stored energy: 3.341 Watt hours

Maximum Current: 2.98 Amps (1 second discharge to 1/2 the rated voltage)
Operating Current: .81 Amps (5 sec discharge to 1/2 rated voltage)
Leakage Current: 0.014 mA after 72 hours

Specific Energy:
Specific Power:

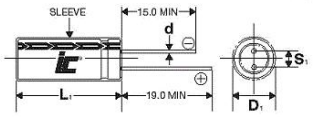
Gravimetric Density: 2.228 Wh/kg
Gravimetric Density: 3.888 kW/kg
Volumetric Density: 3.325 Wh/l
Volumetric Density: 5.804 kW/l

Load Life: 1000 hours at 65°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): 8 mm, +/- 0.5 mm
Lead Spacing (S): 3.5 mm, +/-0.5 mm
Length (L): 20 mm, +/- 1.5 mm
Lead Diameter (d): 0.6 mm, +/-0.05 mm
Height (H): mm, +/- mm
Lead Length (LL): 15mm, +/- MIN mm
Thickness (T): mm, +/- mm
Termination Finish: Matte Tin

D= 8 to 18mm

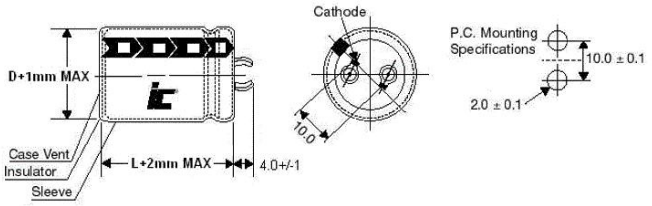


Lead spacing VS. Case diameter				
D	8	10	16	18
S	3.5	5.0	7.5	7.5
d	0.6	0.6	0.8	0.8

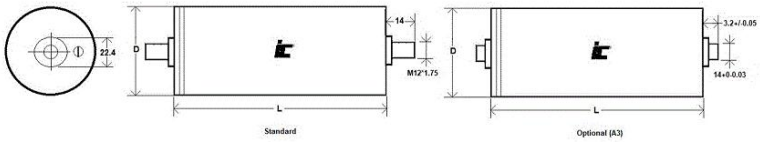
L_1=L+1.5mm
D_1=D+05mm
S_1=S±0.5mm

Snap in types

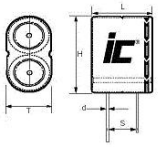
D≥20mm



3500F/3800F CAPACITORS



5.4/5.5 Volt units



Capacitance (F)	Dims (LxHxT) (mm) +1.0mm	Lead spacing S (mm) +/-0.5mm	Lead diameter d (mm)
1	17x19.5x9	12.3	0.6
2.5	21.5X23.5X11	10.5	0.6

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