

Features

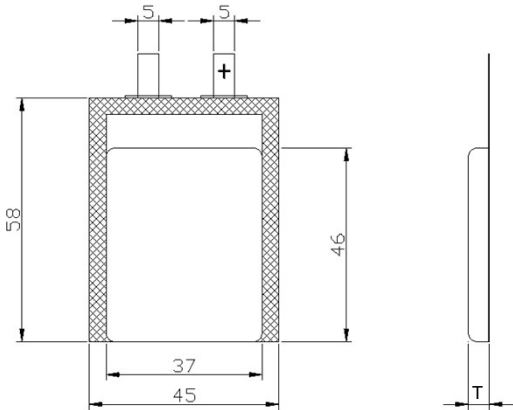
VPC (Vina Pulse Capacitor) 3.8V 500F

- Low Self Discharge
- Wide Operating Temperature Range

- High Operating Voltage
- High Capacitance

Temporary Standard

Drawing



Size	Spec.
W (mm)	45 ±1.0
L (mm)	58 ±1.0
T (mm)	3.5 Max
Weight(g)	About 10.0

Specification

Item		Spec. value
Usable Temperature	Working Range	-20 ~ 60°C
	Lowest Temp.	≥65% @-20°C
	Highest Temp.	≥95% @60°C
Usable Voltage Range	Max / Min	3.8V (*Surge Voltage 4.0V) / 2.5V
Usable Current Range	Continuous Current	Max. 1.8A
	Pulse Current (@1sec)	Max. 7.2A
Capacitance		≥500F(180mAh) @1C-rate
Energy Density		57Wh/kg, 62Wh/L
Power Density		3.0kW/kg, 3.3kW/L
DC Internal Resistance (DC-ESR)		≤120mΩ @10C-rate
Floating Charge Characteristics (60°C 3.8V 1000hr)	Capacitance	≥80% of initial spec.
	DC-ESR	≤200% of initial spec.
Self Discharge (25°C 72hr)	Capacitance	≥80% of initial spec.
	DC-ESR	≤200% of initial spec.
	Voltage	≥97% of initial spec.
Cycle Life (≥80% of initial spec.)	1.8A Cha_3.8V & Disc_3.3V	≥50,000 Cycles
	1.8A Cha_3.8V & Disc_3.0V	≥30,000 Cycles
	1.8A Cha_3.8V & Disc_2.5V	≥20,000 Cycles