

Features

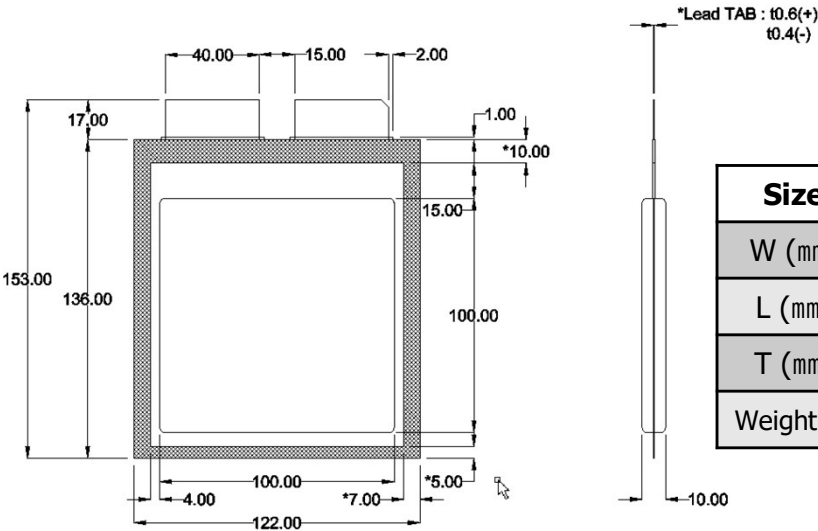
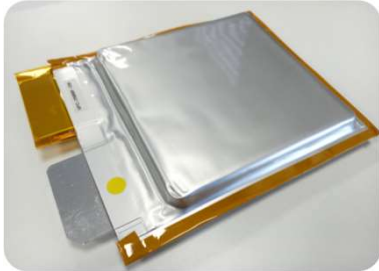
VPC (Vina Pulse Capacitor) 3.8V 12000F

- Low Self Discharge
- Wide Operating Temperature Range

- High Operating Voltage
- High Capacitance

Temporary Standard

Drawing



Size	Spec.
W (mm)	122 +1.0
L (mm)	136 ±1.5
T (mm)	10.0 Max
Weight(g)	About 215

Specification

Item		Spec. value
Usable Temperature	Working Range	-20 ~ 60°C
	Lowest Temp.	≥75% @-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. 86.6A
	Pulse Current (@1sec)	Max. 345A
Capacitance		≥12,000F(4.33Ah) @1C-rate
Energy Density		64Wh/kg, 82Wh/L
Power Density		14kW/kg, 18kW/L
DC Internal Resistance (DC-ESR)		≤1.2mΩ @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.)	57.7A Cha_3.8V & Disc_30S	≥200,000 Cycles
	43.3A Cha_3.8V & Disc_3.3V	≥65,000 Cycles
	43.3A Cha_3.8V & Disc_2.5V	≥25,000 Cycles