

VPC3R8259-P(B)

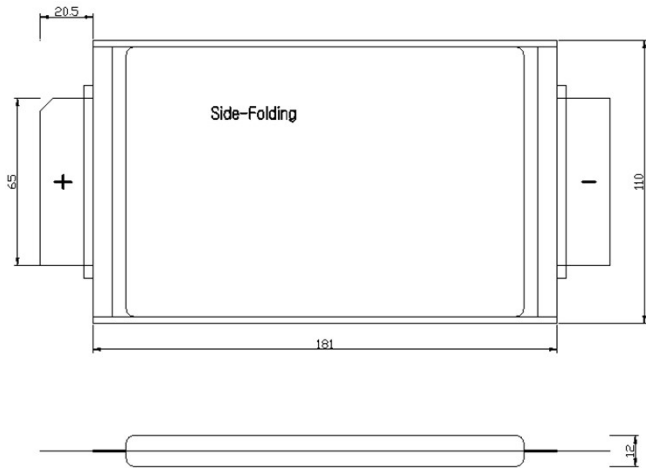
Features

VPC (Vina Pulse Capacitor) 3.8V 25,000F

- Low Self Discharge
- High Operating Voltage
- Wide Operating Temperature Range
- High Capacitance

**Temporary
Standard**

Drawing



Size	Spec.
W (mm)	110 +1.0
L (mm)	181 ±1.5
T (mm)	12.0 Max
Weight(g)	About 430

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. 180A
	Pulse Current (@1sec)	Max. 720A
Capacitance		≥25,000F(9.0Ah) @1C-rate
Energy Density		66Wh/kg, 119Wh/L
Power Density		14kW/kg, 25kW/L
DC Internal Resistance (DC-ESR)		≤0.60mΩ @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.)	120A Cha_3.8V & Disc_30S	≥200,000 Cycles
	90A Cha_3.8V & Disc_3.3V	≥65,000 Cycles
	90A Cha_3.8V & Disc_2.5V	≥25,000 Cycles