

Protection Circuit Module Specifications For 1S Li-ion/Li-Po Battery Pack

Model: PCB-S1A3B

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:4.2V CC/CV
2	Current	Current consumption	≤10 μA
		Maximal continuous discharging current	3A
3	Over charge Protection	Over charge detection voltage	4.30V±0.05V
		Over charge detection delay time	50—250mS
		Over charge release voltage	4.10±0.05V
4	Over discharge protection	Over discharge detection voltage	2.4V±0.1V
		Over discharge detection delay time	20—150mS
		Over discharge release voltage	3.0V±0.1V
5	Over current protection	Over current detection voltage	150±30mv
		Over current detection current	4~6A
		Detection delay time	5ms—25ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-800us
		Release condition	Cut load
7	Resistance	Protection circuitry	≤50mΩ
8	Temperature	Operating Temperature Range	-40~+85℃
		Storage Temperature Range	-40~+125℃

Φ14mm*T2.5mm

P+,P- = Charge+/-,Discharge+/-

