

Protection Circuit Module Specifications For 7.4V Li-ion Battery Pack

Model: PCB-S2A8K10

No.	Test item (Ta=25°C)		Criterion
1	Voltage	Charging voltage	DC:8.4V CC/CV
2	Current	Current consumption	≤20 μA
		Maximal continuous discharging current	5A
3	Over charge Protection	Over charge detection voltage	4.35 V ±25 mV
		Over charge detection delay time	0.3S—1.0S
		Over charge release voltage	4.15 V ±50 mV
4	Over discharge protection	Over discharge detection voltage	2.30 V ±80 mV
		Over discharge detection delay time	30—100mS
		Over discharge release voltage	3.00 V ±100 mV
5	Over current protection	Over current detection voltage	0.300 V ±20 mV
		Over current detection current	14~19A
		Detection delay time	3ms—10ms
		Release condition	Cut load
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Cut load
7	Resistance	Protection circuitry	≤50mΩ
8	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C

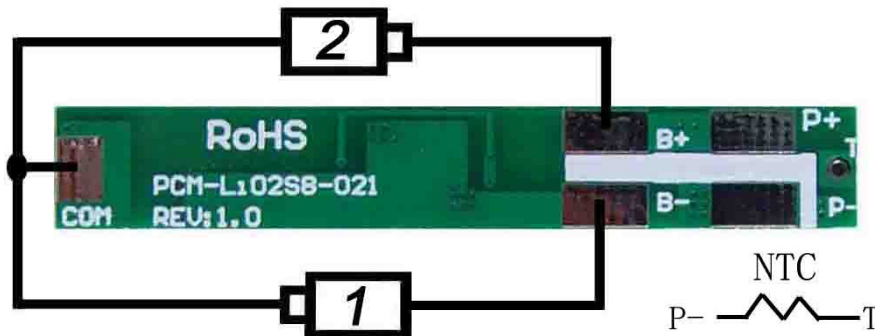
Protection IC: S-8232ABFT-T2-G (SEIKO)

L48.5*W8*T3mm

MOSFET: AO8810 (Alpha & Omega)

NTC: 10K-0603-B=3435K±3% (SNC103B13435J0603E)

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



SNC103B13435J0603E