

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

Model: PCM-S2A5B

No.	Test item (Ta=25°C)		Criterion
1	Voltage	Charging voltage	DC:8.4V CC/CV
2	Current	Current consumption	≤20μA
		Maximal continuous discharging current	5A
3	Cell-balance	Cell-balance detection voltage	4.20 ± 0.025 V
		Cell-balance release voltage	4.19 ± 0.025 V
		Cell-balance current	42 ±3mA
4	Over charge Protection	Over charge detection voltage	4.25V±0.025V
		Over charge detection delay time	0.5—2S
		Over charge release voltage	4.05±0.05V
5	Over discharge protection	Over discharge detection voltage	2.40V±0.062V
		Over discharge detection delay time	50—200mS
		Over discharge release voltage	3.0±0.1V
6	Over current protection	Over current detection voltage	0.2±0.015V
		Over current detection current	14±2A
		Detection delay time	5-20mS
		Release condition	Cut load
7	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-800us
		Release condition	Cut load
8	Resistance	Protection circuitry (B- to P-)	≤40mΩ
9	Temperature	Operating Temperature Range	-40~+85°C
		Storage Temperature Range	-40~+125°C

32.5 x 16.5 x 1.85 mm

