

SB			
PCM Specifications For 3.7V (1S) Li-ion Battery Packs			
Model: SB-1S5A-012 (1S)			
No.	Test item	Criterion	
1	Voltage	Charging voltage	DC:4.2V CC/CV
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Current consumption	$\leq 20\mu\text{A}$
		Maximal continuous charging current	4A
		Maximal continuous Discharging current	4A
3	Over charge Protection	Over charge detection voltage for single cell	$4.250\pm 0.025\text{V}$
		Over charge detection delay time	0.5S—2.0S
		Over charge release voltage for single cell	$4.050\pm 0.025\text{V}$
4	Over discharge protection	Over discharge detection voltage for single cell	$2.80\pm 0.05\text{V}$
		Over discharge detection delay time	10mS—200mS
		Over discharge release voltage for single cell	$2.80\pm 0.05\text{V}$
5	Over current protection	Over current detection voltage	$0.15\pm 0.015\text{V}$
		Over current detection current	$8\pm 1\text{A}$
		Detection delay time	5ms—20ms
		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 (MOSFET)	$\leq 50\text{m}\Omega$
8	Temperature	Operating Temperature Range	$-40\sim +85^{\circ}\text{C}$
		Storage Temperature Range	$-40\sim +125^{\circ}\text{C}$

P+=B+=Charge+/Discharge+

Size:L28\*W5\*T2.5mm

P-=Charge-/Discharge-

