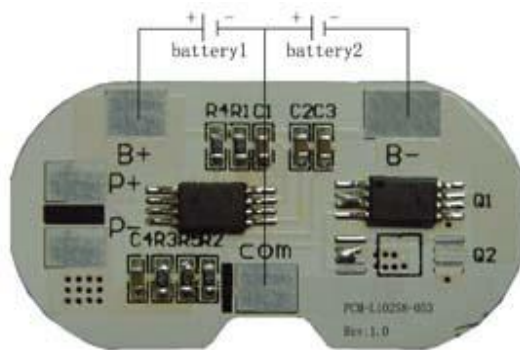


# Protection Circuit Module

## For 7.4V 18650 Li-ion/Li-polymer Battery Pack

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:8.4V CC/CV (4.2V/1cell)
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Current consumption for single cell	$\leq 20\mu\text{A}$
		Maximal continuous discharging current	5A
3	Overcharge Protection	Over charge detection voltage	$4.35\pm 0.025\text{V}$
		Over charge detection delay time	0.96S~1.4S
		Over charge release voltage	$4.15\pm 0.05\text{V}$
4	Over-discharge Protection	Over discharge detection voltage	$2.30\pm 0.08\text{V}$
		Over discharge detection delay time	115~173mS
		Over discharge release voltage	$3.0\text{V}\pm 0.1\text{V}$
5	Over Current Protection	Over current detection voltage	$300\pm 20\text{mV}$
		Over current detection current	$17\pm 3\text{A}$
		Detection delay time	7.2ms~11ms
		Release condition	Automatic Recovery
6	Short Protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Automatic Recovery
7	Resistance	Protection circuitry	$\leq 30\text{m}\Omega$
8	Temperature	Operating temperature range	$-40\sim +85^{\circ}\text{C}$
		Storage temperature range	$-40\sim +125^{\circ}\text{C}$
9	Size		L34.5*W17*T2.5mm



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

Remarks:

\* Characteristics subject to change without notice.