

## Protection Circuit Module Specifications For 3.7V Li-ion/Li-poly Battery Pack

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	/
		Low Current consumption for single cell	Max:10 $\mu$ A
		Continuous charging and discharging current (continuous working current)	3A (Max. 5A)
3	Over charge Protection (single cell)	Over charge detection voltage	4.25 $\pm$ 0.025V
		Over charge detection delay time	0.7-1.3S
		Over charge release voltage	4.05 $\pm$ 0.05V
4	Over discharge protection (single cell)	Over discharge detection voltage	2.50 $\pm$ 0.062V
		Over discharge detection delay time	14—26mS
		Over discharge release voltage	3.0 $\pm$ 0.1V
5	Over current protection	Over current detection voltage	0.20 $\pm$ 0.02V
		Over current detection current	8.5 $\pm$ 1A
		Detection delay time	7.2-11ms
		Release condition	Auto Recovery
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	Auto Recovery
		Release condition	cut load
7	Resistance	Protection circuitry (MOSFET)	$\leq$ 50m $\Omega$
8	Temperature	Operating Temperature Range	-40~+85 $^{\circ}$ C
		Storage Temperature Range	-40~+125 $^{\circ}$ C

**SIZE:L15\*W3.7\*T2.5mm**

