

## Protection Circuit Module Specifications For 3S Li-ion/Li-Po Battery Pack

**Model: PCM-L03S14-324 ( 3S )**

No.	Test Item	Criterion	
1	Voltage	Charging voltage	DC:12.6V CC/CV
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Current consumption for single cell	≤50μA
		Maximal continuous Discharging current(continuous working current)	12A
3	Over Charge Protection ( single cell )	Over charge detection voltage	4.35V±0.025V
		Over charge detection delay time	0.5S—1.5S
		Over charge release voltage	4.15V±0.05V
4	Over Discharge Protection ( single cell )	Over discharge detection voltage	2.40V±0.08V
		Overdischarge detection delay time	50—150ms
		Over discharge release voltage	3.0±0.10V
5	Over current protection	Over current detection voltage	150±25mv
		Over current detection current(peak current)	22±3A(optional)
		Detection delay time	5ms—15ms
		Release condition	Auto Recovery
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	Auto Recovery
7	Resistance	Protection circuitry (MOSFET)	≤50mΩ
8	Temperature	Operating Temperature Range	-40 ~ +85 □
		Storage Temperature Range	-40 ~ +125 □

SIZE:L70\*W18\*T3mm