



MI Protection Circuit Module (PCM) Specifications for 11.1V Li-ion Battery Pack

Model: MIPCM-3SXP2A (89004-004B)

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	
		Low Current consumption for single cell	Max50 μ A
		Maximal continuous Discharging current	2.5A
3	Over charge Protection	Over charge detection voltage	4.35V \pm 0.05V
		Over charge detection delay time	0.5-2S
		Over charge release voltage	4.05V \pm 0.10V
4	Over discharge protection	Over discharge detection voltage	2.40V \pm 0.08V
		Over discharge detection delay time	20-70ms
		Over discharge release voltage	2.70 \pm 0.1V
5	Over current protection	Over current detection voltage	0.30 \pm 20mV
		Over current detection current	3.7 \pm 1.0A
		Detection delay time	5ms—30ms
		Release condition	charge up
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	ms
		Release condition	charge up
7	Resistance	Protection circuitry	\leq m Ω
8	Temperature	Operating Temperature Range	-30 \sim +70 $^{\circ}$ C
		Storage Temperature Range	-45 \sim +85 $^{\circ}$ C

SIZE: L 45mm x W 9.7mm x T 3.0mm

