



MI Protection Circuit Module (PCM) Specifications for 7.4V Li-ion Battery Pack

Model: MIPCM-2SXP3AL (89004-003R)

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:8.40V CC/CV
		Balance voltage for single cell	
2	Current	Balance current for single cell	
		Low Current consumption for single cell	Max20 μ A
		Maximal continuous Discharging current	3A
3	Over charge Protection	Over charge detection voltage	4.35V \pm 0.025V
		Over charge detection delay time	0.96S—1.4S
		Over charge release voltage	4.15V \pm 0.05V
4	Over discharge protection	Over discharge detection voltage	2.30V \pm 0.08V
		Over discharge detection delay time	115—173ms
		Over discharge release voltage	3.0 \pm 0.1V
5	Over current protection	Over current detection voltage	300 \pm 20mV
		Over current detection current	8.0 \pm 1.0A
		Detection delay time	7.2ms—11ms
		Release condition	charge up
6	Short protection	Detection condition	Exterior short circuit
		Detection delay time	200-500us
		Release condition	charge up
7	Resistance	Protection circuitry	\leq 50m Ω
8	Temperature	Operating Temperature Range	-40~+85 $^{\circ}$ C
		Storage Temperature Range	-40~+125 $^{\circ}$ C

SIZE: L 42.0mm x W 8.0mm x T 2.0mm

