



MI Protection Circuit Module (PCM) Specifications for 3.7V Li-ion Battery Pack

Model: MIPCM-1SXP2.5A (89004-001A)

No.	Test item		Criterion
1	Voltage	Charging voltage	DC:4.20V CC/CV
		Balance voltage for single cell	/
2	Current	Balance current for single cell	/
		Low Current consumption for single cell	$\leq 10 \mu A$
		Maximal continuous Discharging current	3A
3	Over charge Protection	Over charge detection voltage	4.30V \pm 0.05V
		Over charge detection delay time	80mS—200mS
		Over charge release voltage	4.10V \pm 0.05V
4	Over discharge protection	Over discharge detection voltage	2.40V \pm 0.1V
		Over discharge detection delay time	40—100ms
		Over discharge release voltage	3.0 \pm 0.1V
5	Over current protection	Over current detection voltage	0.15 \pm 0.03V
		Over current detection current	4.0 \pm 0.5A
		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	$\leq 50m \Omega$
8	Temperature	Operating Temperature Range	-40~+85 $^{\circ}C$
		Storage Temperature Range	-40~+125 $^{\circ}C$

SIZE: L 29.0mm x W 4.5mm x T 2.0mm

