

Datasheet

This Data sheet is for Lichtronics **1S10A NMC PCM/BMS**, Part No. NI-88586

I . Application

- (1) Li-ion 3.7V 18650
- (2) Li-po 3.7V

II . Size

PCM: 1S 10A 45*7.5*0.8mm

Total length if with Nickel: 90



III. Specification Topt=25℃

No.	Tested Item		Criterion
1	Voltage	Charging Voltage	DC:4.2V CC/CV
		Balance Voltage for single cell	NA
2	Current	Balance Current for single cell	NA
		Current consumption	≤3μA
		Max continuous charging current	10A
		Max continuous discharging current	10A (5mos)
3	Over Charge Protection	Over charge detection voltage	4.25±0.05V
		Over charge detection delay time	1000s
		Over charge release voltage	4.2±0.05V
4	Over Discharge Protection	Over discharge detection voltage	3.0±0.1V
		Over discharge detection delay time	1-100ms
		Over discharge release voltage	3.0±0.10V
5	Over Current Protection	Over current detection voltage	0.15±0.03V
		Over current detection current	around 14A
		Release condition	Cut load
		Over current detection delay time	200±25ms
6	Short Circuit Protection	Detection condition	Exterior short circuit
		Release condition	Cut short circuit
		Short circuit detection delay time	50us
7	Temperature Protection	Temperature Protection	/
8	Interior Resistance	Main loop electrify resistance	VC=4.2V,R _{DS} ≤60mΩ
9	Temperature	Operating Temperature	-45℃ --+65℃
		Storage Temperature	-45℃ -- +85℃