

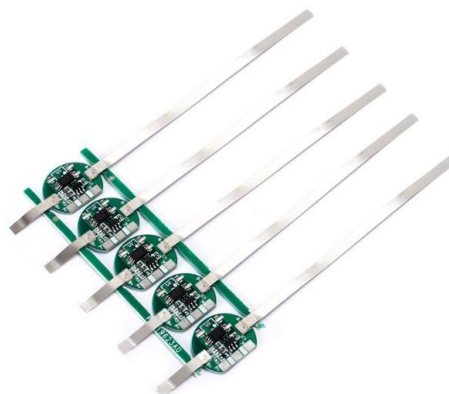


Datasheet

This Data sheet is for Lichtronics **IS2A NMC PCM/BMS-Round**

I . Application

(1) Li-ion 3.7V 18650



II . Size

PCM: 17.5*17.5*0.8mm Total length with Nickel: 108mm

III. Specification $T_{opt}=25^{\circ}\text{C}$

No.	Tested Item		Criterion
1	Voltage	Charging Voltage	DC:5V CC/CV
		Blance Volatage for single cell	NA
2	Current	Blance Current for single cell	NA
		Current consumption	$\leq 3\mu\text{A}$
		Max continuous charging current	2A
		Max continuous discharging current	2A
3	Over Charge Protection	Over charge detection voltage	$4.28\pm 0.025\text{V}$
		Over charge detection delay time	800-1200ms
		Over charge release voltage	$4.08\pm 0.050\text{V}$
4	Over Discharge Protection	Over discharge detection voltage	$3.0\pm 0.05\text{V}$
		Over discharge detection delay time	50-200ms
		Over discharge release voltage	$3.0\pm 0.05\text{V}$
5	Over Current Protection	Over current detection voltage	$0.08\pm 0.015\text{V}$
		Over current detection current	2A
		Release condition	Cut load
		Over current detection delay time	$200\pm 25\text{ms}$
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	10K NTC
8	Interior Resistance	Main loop electrify resistance	$\text{VC}=4.2\text{V}, \text{R}_{\text{DS}}\leq 60\text{m}\Omega$
9	Temperature	Operating Temperature	$-45^{\circ}\text{C} \sim +65^{\circ}\text{C}$
		Storage Temperature	$-45^{\circ}\text{C} \sim +85^{\circ}\text{C}$