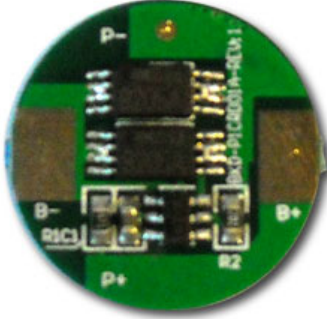




Product Name:	Protection circuit Module (PCB) Round for 3.7V Li-Polymer Battery (3.5A limit)	
Product Number:	32002	
Dimension:	R8.65*1.72mm	

1 Outline

This specification is suitable one-serial-cell Lithium ion Battery Protection circuit manufactured by Tenergy Corporation.

2 Application

- (1) Lithium-ion rechargeable battery packs
- (2) Lithium-ion polymer battery packs

3 Electrical characteristics

Top t=25°C

Item	Content	Criterion
Over charge Protection	Over charge detection voltage	4.325±0.05V
	Over charge release voltage	4.125±0.10V
Over discharge protection	Over discharge detection voltage	2.5±0.10V
	Over discharge release voltage	2.9±0.10V
	Rated operational current	3.5A
Over current protection	Over current detection current	6-8A
	Release condition	Cut load
	Detection delay time	8.0~16.0ms
Short protection	Detection condition	Exterior short circuit
	Release condition	Cut short circuit

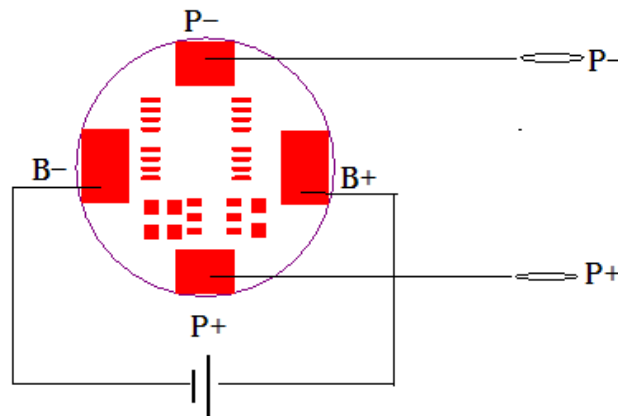


Interior resistance	Main loop electrify resistance	$V_C=4.2V$; $R_{DS}\leq 40$ m Ω
Current consumption	Current consume in normal operation	4.0 μ A Type 8.0 μ A
(L*W*H)	R8.65*0.5mm	

4 Parts list

BKD-P1CRD01A BOM

number	name	feature	encapsulation	position	QUAN.
1	resistor	470R $\pm 5\%$	0603	R1	1
2	resistor	2K $\pm 5\%$	0603	R2	1
3	capacita	0.1 μ F $\pm 20\%$	0603	C1	1
4	MOS	AMG8205A	TSSOP-8	U1, U3	2
5	IC	S-8261/G2J	SOT-23-6	U2	1
6	PCB	BKD-P1CRD01A REV:1		R8.65*0.5mm	1



Terminal explanations

1. B+ : Connected to the battery's positive terminal
2. B- : Connected to the battery's negative terminal
3. P+ : Connected to the battery's output or the charger's positive terminal
4. P- : Connected to the battery's output or the charger's negative terminal



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