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Intellect Pioneering Battery Technology  
Co., Ltd.

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# 保护板规格书

## PCM SPECIFICATIONS

客户名 Customer's Name	
产品类别 Production Type	保护板 PCM
产品型号 Production Model	PM266 (S8261-G3J+SIS8205)
制 订 Draft	DeKe Ke
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## 版本更新记录

## Revision History

Date 日期	Description 更新内容	Checked By 审核	Approved By QA QA 批准	Approved By GE 总工批准
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## 1 Outline 综述

This specification is suitable One-serial-cell Lithium ion Battery Protection circuit manufactured by Intellect Pioneering Battery Technology Co., Ltd.

## 2 Application 应用范围

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

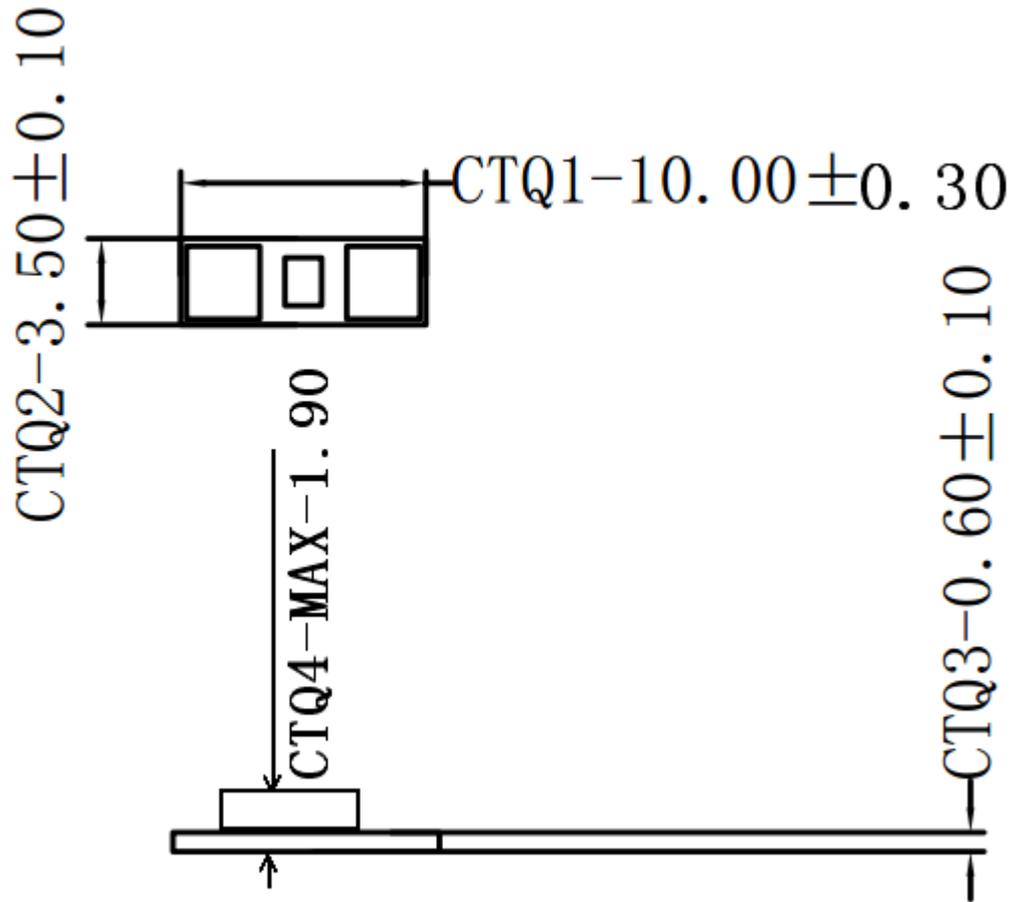
## 3 Electrical characteristics 电气特性

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

No	Item	Condition	Specification
1	过充电 Overcharge	保护电压 Detection Voltage	4.280±0.025V
2		恢复电压 Release Voltage	4.080±0.025V
3		保护延迟时间 Detection Delay Time	0.96~1.40S
4	过放电 Over Discharge	保护电压 Detection Voltage	3.000±0.050V
6		恢复电压 Release Voltage	3.000±0.100V
7		保护延迟时间 Detection Delay Time	144±29mS
8	放电过流 Over Discharge Current	放电过流保护电流 Over Current	1.0~3.00A
9		放电过流保护延时 Delay Time	7.2~11.0ms
10	短路保护	短路保护延时 Short Detection Delay Time	220~380us
11		恢复条件 Release Conditions	断开负载/Cut Off Load
12	自耗电 Normal Current Consumption	静态电流消耗 Normal Current Consumption Of PCM	Max7.00uA
13	建议工作条件 Suggest Working Conditions	建议最大持续充//放电电流 Max Continuous Charge/Discharge Current	0.8A
14		建议工作温度 Suggest Working Temperature	-20°C~60°C
15	内阻 IR Resistance	PCM 内阻 IR Of PCM	≤65mΩ
16	PCM 尺寸 The Size Of Final PCM	长度 The Length Of Final PCM	10.00±0.15mm
17		宽度 The Width Of Final PCM	3.500±0.10mm
18		厚度 The Thickness Of Final PCM	MAX:1.90mm



## 7 PCM 结构图纸/Mechanical Drawing



## 8 Terminal explanations

### 端口说明:

- 1、B+: 连接电池芯正极 Connected to the battery's positive terminal
- 2、B-: 连接电池芯负极 Connected to the battery's negative terminal
- 3、P+: 连接电池输出或充电器正极 Connected to the battery's output or the charger's positive terminal
- 4、P-: 连接电池输出或充电器负极 Connected to the battery's output or the charger's negative terminal