

Product specification

PRODUCT SPECIFICATION FOR APPROVAL

(VER 1.0)

Company

Engineering department BY ENGINEERING	
Type of production/product category	3. 7V protection plate
Mode NO:/ Model name	LZ-188B
Date: / Make the date	
Edition:/ Edition	A / 1.0
Design By: / Drawn up	
Check. By: / Check	
Auditing: / Auditing	
GUApprove By: / Guapprove by: /	

The customer confirms by:

CHANGE LIST/ change log

Seri al nu mbe r	Versi on	Changed content description	Engine er	Dates
1	A / 1.0	First		

Inside volume

■ Overview

This specification is suitable for a single battery protection plate.

■ Range of application

(1) A 3.7V battery pack

■ Electrical characteristics

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

Item	Symbol	Content	Criterion
Over charge Protection	V_{DET1}	Over charge detection voltage	4.28 + / - 0.05 V
	tV_{DET1}	Over charge detection delay time	100ms Max
	V_{REL1}	Over charge release voltage	4.08 + / - 0.05 V
Over discharge protection	V_{DET2}	Over discharge detection voltage	2.4 + / - 0.1 V
	tV_{DET2}	Over discharge detection delay time	25ms Max
	V_{REL2}	Over discharge release voltage	3.0 + / - 0.1 V
		Rated discharge current	3.5 A or less
Over current protection	V_{DET3}	Over current detection voltage	0.15 + / - 0.03 V
	I_{DP}	Over current detection current	7+/-1 A
	tV_{DET3}	Detection delay time	10ms Max
		Release condition	Cut load Disconnect the load
Short circuit protection		Detection condition	Exterior short circuit
		Release condition	Cut short circuit

Interior resistance	R_{DS}	Main loop electrify resistance	VC = 4.5 V, $R_{DS} \Omega$ 50 m or less
Current consumption	I_{DD}	Internal circuit consumption during operation	8 μ A or less

Port description:

1. B+ : Connect the positive terminal of the battery cell
2. B- : connects the negative terminal of the battery cell
3. P+ : Connect the battery output or positive terminal of the charger
4. P- : Connect the battery output or negative terminal of the charger