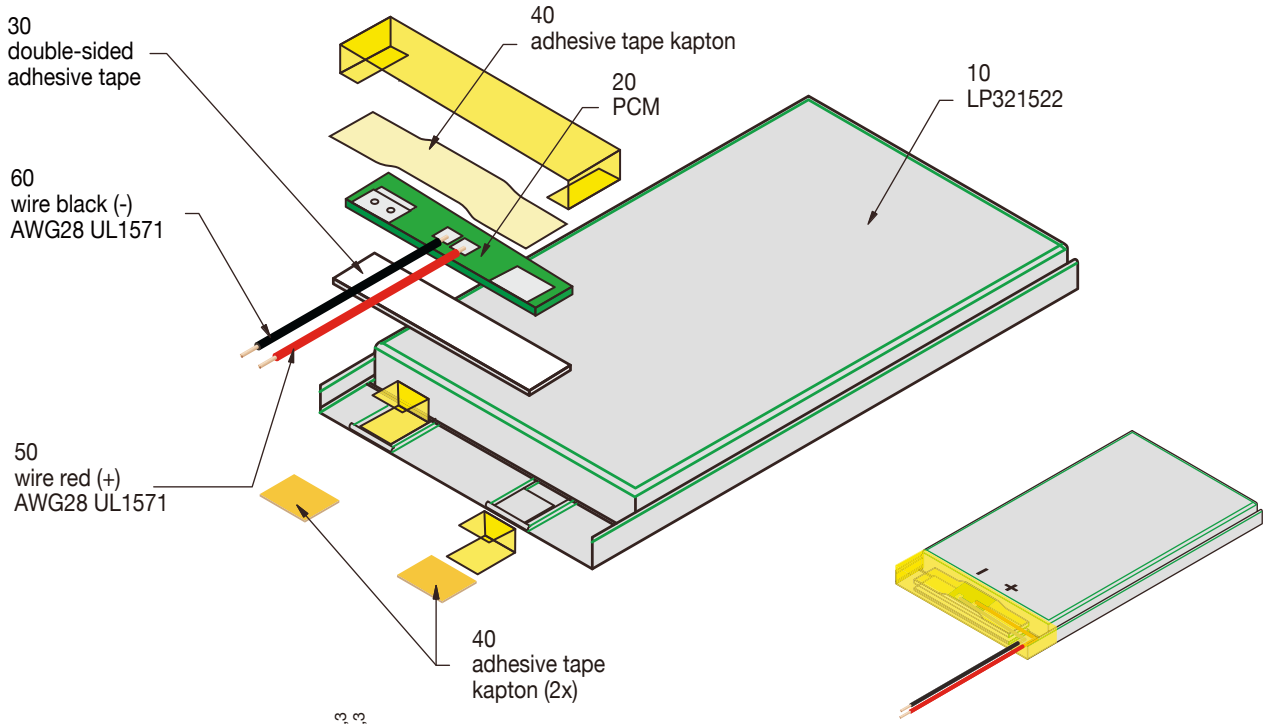
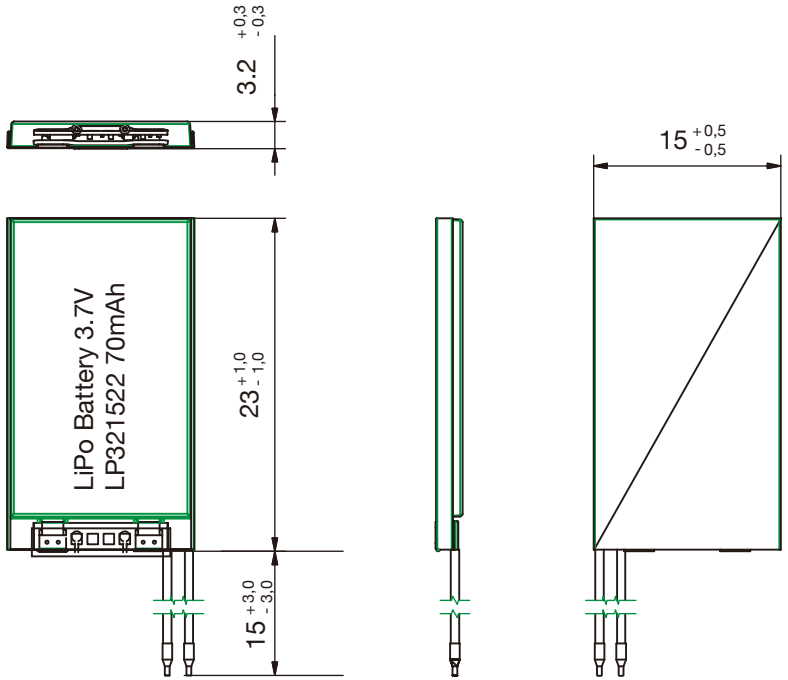
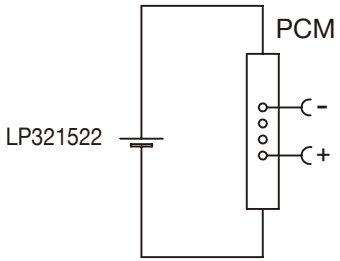




Circuit Diagram



Specification

Lithium Polymer Battery Pack LP321522 70mAh 3.7V with Protection Circuit Module (PCM)
This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack manufactured by LiPol Battery Co., Ltd - China

Mechanical Characteristics

Cell	► LP321522
PCM	► Yes
NTC	► No
Configuration	► 1S1P
Weight	► appr. 1.4g

Electrical Specification

Rated Capacity	► 70mAh min, 70mAh typ.
Nominal Voltage	► 3.7V
Wat-Hour Rating	► 0.26Wh
Max. Operating Voltage Range	► 2.75V to 4.20V
Max. Charge Voltage	► 4.20V ±50mV
Max. Charge Current	► 35mA
Standard Charge Current	► 14mA
Max. Discharge Current	► 70mA
Standard Discharge Current	► 35mA
Discharge Cut Off	► 2.75V
Internal Impedance	► <200mΩ
Expected Cycle Life @ (0.5C/0.5C) @ 23±5°C	► 500 cycles ≥ 80%

Cell Protection

Overcharge Detection	► 4.275 ±50mV (0.7 to 1.3sec. delay, release 4.075V ±50mV)
Overdischarge Detection	► 2.75V ±50mV (14 to 26msec. delay, resume 3.05V ±50mV)
Overcurrent Detection	► 2A to 2.5A (8 to 16msec. delay)

Ambient Conditions

Charge Temp. Range	► +10°C to +45°C
Discharge Temp. Range	► -20°C to +60°C
Storage Temp. Range	► 1 year at -20°C to +30°C >70% ► 3 moths at -20°C to +45°C >70% ► 1 month at -20°C to +60°C >70%

Environmental and Safety

Please follow LiPol Handling and Safety Precautions for Lithium Polymer Battery. This battery meets the requirements of Battery Directives, and the battery parts are IEC62133-2-2017 & RoHS-Compliant. For more safety precautions and performance standards, please go to www.lipolbattery.com/support.html

Mae in mm All dimensions in mm	Freimatoleranzen Generaltolerances			Date	Name
			Erst. / Orig	11.01.2022	Xie Qingfang
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6	` 0,1			
	over 6 up to 30	` 0,2	Gepr./Check	11.01.2022	Guo Daxia
Proprietary data, company confidential, all rights reserved.	over 30 up to 100	` 0,3	Benennung/ Designation	LP321522	
	over 100	` 0,5	Origin:		

LiPol Battery

Zchng. / Dwg. Nr. 1 FD_4381_10 Index

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