

30  
double-sided  
adhesive tape

40  
adhesive tape kapton

10  
LP252025

60  
wire black (-)  
28AWG UL1571

50  
wire red (+)  
28AWG UL1571

40  
adhesive tape  
kapton (2x)

2.5<sup>+0.3</sup>  
-0.3

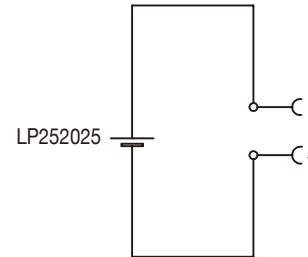
20<sup>+0.5</sup>  
-0.5

25<sup>+1.0</sup>  
-1.0

15<sup>+3.0</sup>  
-3.0

LiPo Battery 3.7V  
LP252025 75mAh

### Circuit diagram



## Specification

Lithium Polymer Battery LP252025 3.7V 75mAh without 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	▶ LP252025
PCM	▶ No
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 1.5g
Connector	▶ No

### Electrical Specification

Rated Capacity	▶ 75mAh min, 75mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 0.28Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.20V ± 50mV
Max. Charge Current	▶ 37mA
Standard Charge Current	▶ 15mA
Max. Discharge Current	▶ 75mA
Standard Discharge Current	▶ 37mA
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	▶ 2.0A 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 months 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 IEC 62133 & RoHS-Compliant. For more safety precautions and performance standards, please go to [www.lipolbattery.com/support.html](http://www.lipolbattery.com/support.html)

Mae in mm All dimensions in mm	Freimatoleranzen Generaltoleranzen	Erst. / Orig	Date	Name	<b>LiPol Battery</b>
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 · 0,1 over 6 up to 30 · 0,2	Gepr./check	11.01.2022	Xie Qingfang Guo Daxia	
Proprietary data, company confidential, all rights reserved.	over 30 up to 100 · 0,3 over 100 · 0,5	Benennung/ Designation		LP252025	Zchg. / Dwg. Nr.
		Origin:	1	FD_4021_10	Index
				support@lipolbattery.com	www.LiPolBattery.com