

30
double-sided
adhesive tape

40
adhesive tape kapton

20
PCM

10
LP501235

60
wire black (-)
AWG28 UL1007

50
wire red (+)
AWG28 UL1007

40
adhesive tape
kapton (2x)

5,0 ^{+0,3}
-0,3

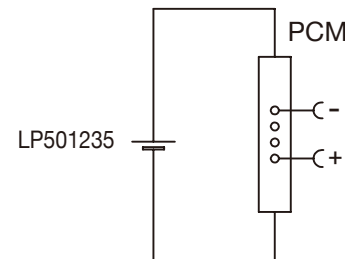
12 ^{+0,5}
-0,5

35 ^{+1,0}
-1,0

60 ^{+3,0}
-3,0

LiPo Battery 3.7V
LP501235 160mAh

Circuit Diagram



Specification

Lithium Polymer Battery Pack LP501235 160mAh 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	▶ LP501235
PCM	▶ Yes
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 3g

Electrical Specification

Rated Capacity	▶ 160mAh min, 170mAh typ.
Nominal Voltage	▶ 3.7V
Wat-Hour Rating	▶ 0.33Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ± 50mV
Max. Charge Current	▶ 80mA
Max. Continuous Discharge Current	▶ 160mA
Discharge Cut Off	▶ 2.75V
Internal Impedance	▶ <400mΩ
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 4.275V ±50mV)
Overdischarge Detection	▶ 2.75V ±50mV (14 to 26msec. delay, resume 2.50V ±50mV)
Overcurrent Detection	▶ 2A to 4.5A (8 to 16msec. delay)

Ambient Conditions

Charge Temp. Range	▶ 0 to +45°C
Discharge Temp. Range	▶ -20 to +60°C
Storage Temp. Range	▶ 1 year at -20 to +30°C >70%
	▶ 3 months at -20 to +45°C >70%
	▶ 1 month at -20 to +60°C >70%
Humidity	▶ 65 ±20%RH

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

Mae in mm All dimensions in mm	Freimatoleranzen Generaltoleranzen	Date 23.05.2019	Name Xie Qingfang	LiPol Battery	Index
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 · 0,1 over 6 up to 30 · 0,2	Erst. / Orig 23.05.2019	Gepr./check Guo Daxia		
Proprietary data, company confidential, all rights reserved.	over 30 up to 100 · 0,3 over 100 · 0,5	Benennung/ Designation LP501235		Zchgng. / Dwg. Nr. 3 FD_2240_20	
		Origin: support@lipolbattery.com		www.LiPolBattery.com	