

30
double-sided
adhesive tape

60
wires
16AWG UL1571

50
connector
JST VHR-3M

40
adhesive tape kapton

20
PCM

10
LPHD7425048

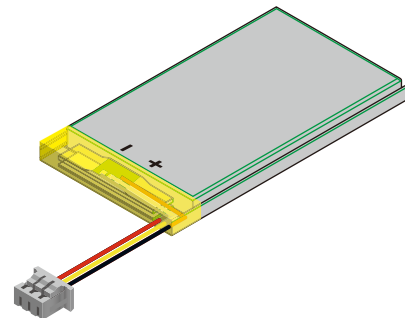
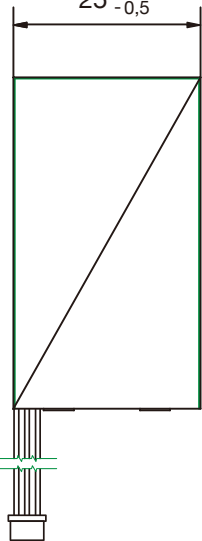
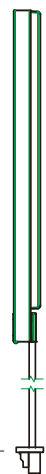
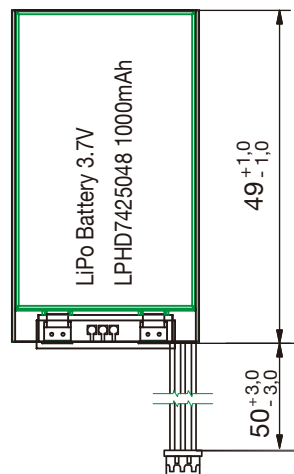
40
adhesive tape
kapton (2x)

7.4^{+0,3}
-0,3

25^{+0,5}
-0,5

49^{+1,0}
-1,0

50^{+3,0}
-3,0



Specification

Lithium Polymer Battery Pack LPHD7425048 1000mAh 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 ▶ LPHD7425048
- PCM ▶ Yes
- NTC ▶ 10KΩ 1% +25C B3435
- Configuration ▶ 1S1P
- Weight ▶ appr. 25g
- Connector ▶ JST VHR-3M

Electrical Specification

- Rated Capacity ▶ 1000mAh min, 1000mAh typ.
- Nominal Voltage ▶ 3.7V
- Wat-Hour Rating ▶ 3.7Wh
- Max. Operating Voltage Range ▶ 2.75V to 4.20V
- Max. Charge Voltage ▶ 4.20V ±50mV
- Max. Charge Current ▶ 2A
- Standard Charge Current ▶ 1A
- Max. Discharge Current ▶ 10A
- Standard Discharge Current ▶ 6A
- Discharge Cut Off ▶ 2.75V
- Internal Impedance ▶ <200mΩ
- Expected Cycle Life @ (0.5C/0.5C) @ 23±5°C ▶ 300 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 ▶ 11A to 11.5A (8 to 16msec. delay)

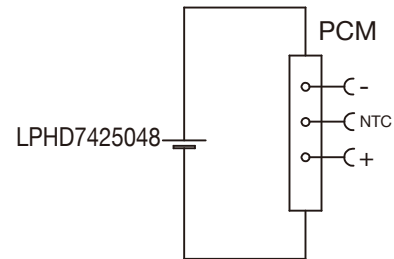
Ambient Conditions

- 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

Circuit diagram



Mae in mm	Freimatoleranzen	Date	Name	+ LiPol Battery	
All dimensions in mm	Generaltoleranzen	Erst./ Orig	28.03.2022		Xie Qingfang
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6	· 0,1	Gepr./Check	28.03.2022	Guo Daxia
	over 6	· 0,2	Benennung/ Designation		
Proprietary data, company confidential, all rights reserved.	over 30	· 0,3	LPHD7425048		Zchgng. / Dwg. Nr.
	over 100	· 0,5	Origin:	support@lipolbattery.com	www.LiPolBattery.com
				1	FD_6230_10
				Index	