

30
double-sided
adhesive tape

60
wires
26AWG UL1571

50
connector
Molex 78172-0003(A)

40
adhesive tape kapton

20
PCM

10
LP633235

40
adhesive tape
kapton (2x)

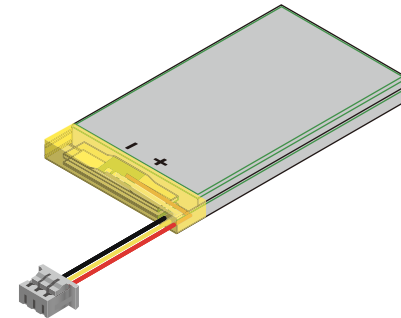
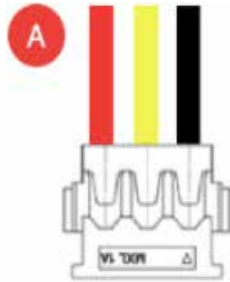
6.3^{+0.3}
-0.3

36^{+1.0}
-1.0

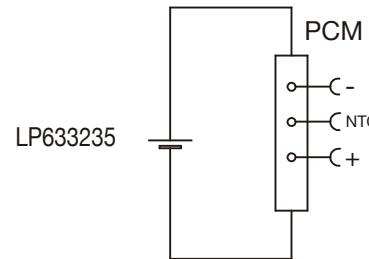
50^{+3.0}
-3.0

32^{+0.5}
-0.5

LiPo Battery 3.7V
LP633235 800mAh



Circuit diagram



Specification

Lithium Polymer Battery Pack LP633235 800mAh 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 | ▶ LP633235 |
| PCM | ▶ Yes |
| NTC | ▶ 10KΩ 1% +25C B3435 |
| Configuration | ▶ 1S1P |
| Weight | ▶ appr. 16g |

Electrical Specification

| | |
|--|---------------------------|
| Rated Capacity | ▶ 800mAh min, 805mAh typ. |
| Nominal Voltage | ▶ 3.7V |
| Wat-Hour Rating | ▶ 2.96Wh |
| Max. Operating Voltage Range | ▶ 2.75V to 4.20V |
| Max. Charge Voltage | ▶ 4.2V ±50mV |
| Max. Charge Current | ▶ 400mA |
| Standard Charge Current | ▶ 160mA |
| Max. Continuous Discharge Current | ▶ 800mA |
| Standard Discharge Current | ▶ 400mA |
| 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 4.275V ±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 moths 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 | Name | + LiPol Battery | Zchnng. / Dwg. Nr. 3 FD_3235_63 | Index | | |
| | | Erst./ Orig | 11.03.2021 | | | | Xie Qingfang | |
| Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten | up to 6 | · 0,1 | Gepr./Check | | | | 11.03.2021 | Guo Daxia |
| | over 6 | · 0,2 | Benennung/ Designation | | | | LP633235 | |
| Proprietary data, company confidential, all rights reserved. | over 30 | · 0,3 | LP633235 | | support@lipolbattery.com | www.LiPolBattery.com | | |
| | over 100 | · 0,5 | Origin: | | | | | |