

30  
double-sided  
adhesive tape

60  
wire black (-)  
AWG26 UL1007

50  
wire red (+)  
AWG26 UL1007

40  
adhesive tape kapton

20  
PCM

10  
LPHD5934096

40  
adhesive tape kapton (2x)

5.9 <sup>+0.3</sup>  
-0.3

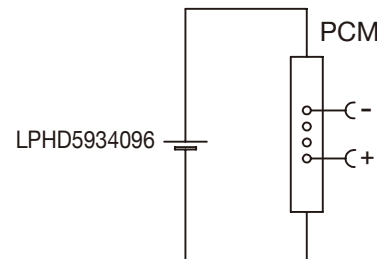
68 <sup>+0.5</sup>  
-0.5

96 <sup>+1.0</sup>  
-1.0

106 <sup>+3.0</sup>  
-3.0

LiPo Battery 7.4V  
LPHD5934096 1800mAh

### Circuit Diagram



## Specification

Lithium Polymer Battery Pack LPHD5934096 2S 1800mAh 7.4V 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	▶ LPHD5934096
PCM	▶ Yes
NTC	▶ No
Configuration	▶ 1S1P
Weight	▶ appr. 36g

### Electrical Specification

Rated Capacity	▶ 1800mAh min, 1830mAh typ.
Nominal Voltage	▶ 7.4V
Wat-Hour Rating	▶ 13.32Wh
Max. Operating Voltage Range	▶ 2.75V to 4.20V
Max. Charge Voltage	▶ 4.2V ±50mV
Max. Charge Current	▶ 3600mA/2C
Max. Continuous Discharge Current	▶ 9A/5C
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 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](http://www.lipolbattery.com/support.html)

Mae in mm All dimensions in mm	Freimatoleranzen Generaltoleranzen	Date	Name	<b>LiPol Battery</b>	Index
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 · 0,1 over 6 up to 30 · 0,2	Erst. / Orig 25.10.2019	Xie Qingfang		
Proprietary data, company confidential, all rights reserved.	over 30 up to 100 · 0,3 over 100 · 0,5	Gepr./check 25.10.2019	Guo Daxia	Benennung/ Designation LPHD5934096	Zchgng. / Dwg. Nr. 3 FD_4096_70
		Origin:	support@lipolbattery.com	www.LiPolBattery.com	