

30
double-sided
adhesive tape

60
wires
24AWG UL1571

50
connector
JST PHR-3

40
adhesive tape kapton

20
PCM

10
LP536566

40
adhesive tape
kapton (2x)

5.3^{+0.3}
-0.3

66^{+1.0}
-1.0

50^{+3.0}
-3.0

64^{+0.5}
-0.5

Kaise Battery 3.7V
LP536566 4000mAh

Specification

Lithium Polymer Battery Pack LP536566 3.7V 4000mAh with Protection Circuit Module (PCM)
This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack manufactured by Kaise Battery.

Mechanical Characteristics

- Cell ▶ LP536566
- PCM ▶ Yes
- NTC ▶ 10KΩ 1% +25C B3435
- Configuration ▶ 1S1P
- Weight ▶ appr. 80g
- Connector ▶ JST PHR-3 (C)

Electrical Specification

- Rated Capacity ▶ 4000mAh min, 4030mAh typ.
- Nominal Voltage ▶ 3.7V
- Wat-Hour Rating ▶ 14.8Wh
- Max. Operating Voltage Range ▶ 2.75V to 4.40V
- Max. Charge Voltage ▶ 4.2V ±50mV
- Max. Charge Current ▶ 1500mA
- Standard Charge Current ▶ 600mA
- Max. Continuous Discharge Current ▶ 3000mA
- Standard Discharge Current ▶ 1500mA
- Discharge Cut Off ▶ 2.75V
- Internal Impedance ▶ <40mΩ
- Expected Cycle Life @ (0.5C/0.5C) @ 23±5°C ▶ 500 cycles ≥ 80%

Cell Protection

- Overcharge Detection ▶ 4.425 ±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 ▶ 4A to 4.5A (8 to 16msec. delay)

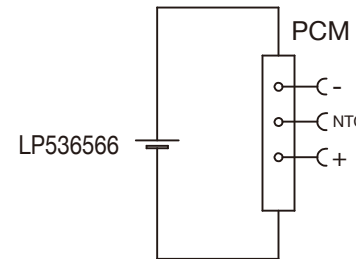
Ambient Conditions

- 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 Kaise 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.

Circuit diagram



Mae in mm	Freimatoleranzen	Date	Name
All dimensions in mm	Generaltolerances	Erst./ Orig	
Als Betriebsgeheimnis anvertraut, alle Rechte vorbehalten	up to 6 : 0,1	Gepr./Check	
Proprietary data, company confidential, all rights reserved.	over 6 up to 30 : 0,2	Benennung/ Designation	
	over 30 up to 100 : 0,3	LP536566	
	over 100 : 0,5	Origin:	



Kaise[®]

3	Zchnng. / Dwg. Nr.
support@lipolbattery.com	www.LiPolBattery.com