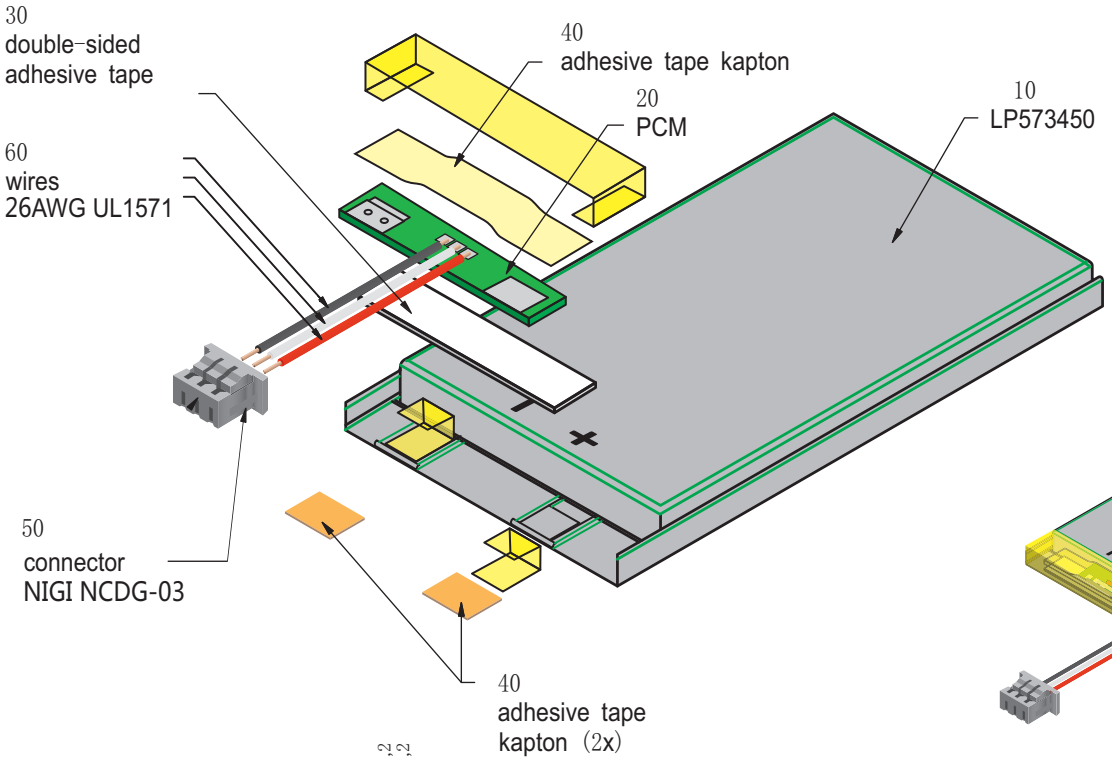
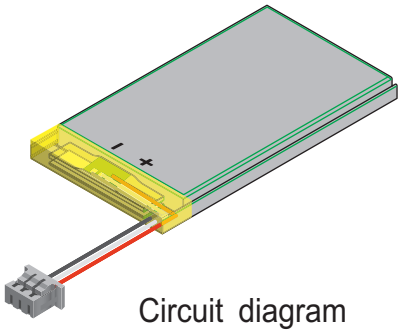
Specification

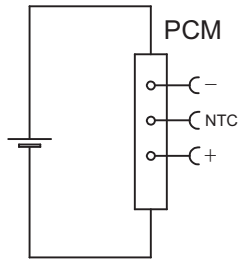
Lithium Polymer Battery Pack (LP573450) 980mAh 3.7V with Protection Circuit Module (PCM)

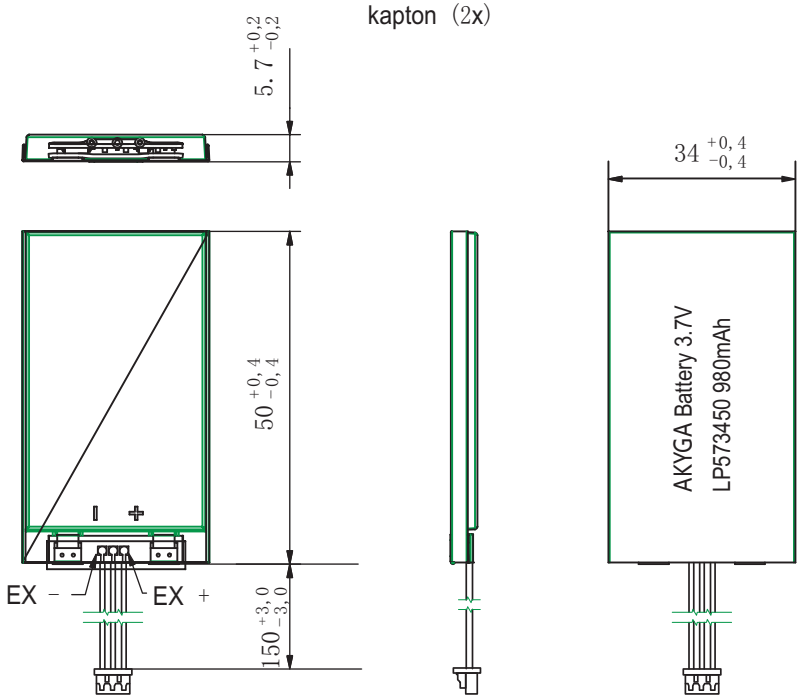
This data sheet describes the requirements and properties of lithium polymer rechargeable battery pack manufactured by AKYGA





Circuit diagram





Mechanical Characteristics

Type number: LP573450
Designation IEC system: Lithium polymer battery pack
Length: 50 ± 0.4mm
Width: 34 ± 0.2mm
Thickness: 5.0 ± 0.2mm
Cable: 150 ± 3.0mm (26AWG UL 1007)
Connector: NIGI NCDG-03
NTC: 103AT 10K 1%@+25C
Weight: appr. 20.0g

Electrical Specification

Rated capacity: 980mAh min, 1020mAh typ.
Nominal voltage: 3.7V
Max. operating voltage range: 3.0V to 4.2V
Charge voltage: 4.2 ± 50mV
Initial charge current: Standard charge: 190mA
Rapid charge: 490mA
Charging cut-off (A or B)
A) By time: Standard charge: 5 hours
Rapid charge: 2 hours
B) By min. current: 19.6mA
Max continuous discharge current: 980mA
Internal impedance (1kHz): approx 32mOhm
Exp. cycle life: >500 cycles >80% of initial cap. (0.5C/0.5C)
Cell protection
Overcharge detection: 4.325 ± 25mV
(0.5 to 2.0 sec. delay, resume 4.075 ± 50mV)
Overdischarge detection: 3.00V ± 25mV
(6.25 to 250msec. delay, resume 2.9V ± 100mV)

Ambient conditions

Temperature range
Charge: 0 to +45°C
Discharge: -20 to +60°C
Charge retention/Storage: 1 year at -20 to 20°C >70%
3 month at -20 to 45°C > 70%
1 month at -20 to 60°C > 70%

Safety

Please follow handing and Safety Precautions Poliflex.

Index	Alteration	Date	Name

Projection:

Diese Mae werden besonders gepruft
This dimensions are considered inspectable

Material: 66451753 7123

Mae in mm
All dimensions in mm

Freimatoleranzen
Generaltolerances

up to 6	` 0, 1
over 6 up to 30	` 0, 2
over 30 up to 100	` 0, 3
over 100	` 0, 5

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	Date	Name
Erst. /Orig.	09. 02. 2015	Xie Qingfang
Bearb. /Desig.		
Gepr. /Check.	09. 02. 2015	Guo Daxia

akyga®

Benennung/ Designation: LP573450.3

Zchng. / Dwg. Nr.: FD_2345_12

Index: 3

Origin: