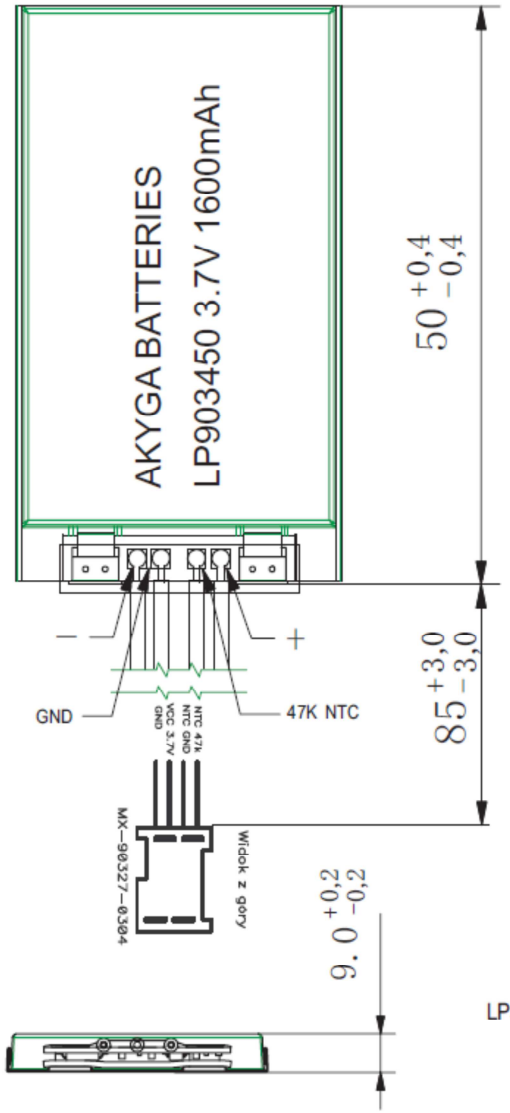
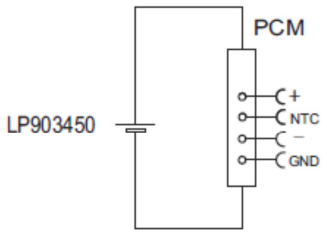


Circuit diagram



Specification

Lithium Polymer Battery Pack (LP903450) 1600mAh 3.7V with Protection Circuit Module (PCM)

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

Mechanical Characteristics

Type number: LP903450
Designation IEC system: Lithium polymer battery pack
Length: 50 ± 0.4mm
Width: 34 ± 0.4mm
Thickness: 9.0 ± 0.2mm
Cable: 85 ± 3.0mm (26AWG UL1571)
Connector: Molex 90327-0304
NTC: 10K 1%@+25C
Weight: appr. 29.0g

Electrical Specification

Rated capacity: 1600mAh min, 1620mAh typ.
Nominal voltage: 3.7V
Max. operating voltage range: 3.0V to 4.2V
Charge voltage: 4.2 ± 50mV
Initial charge current: Standard charge: 800mA
Rapid charge: 1600mA
Charging cut-off (A or B)
A) By time: Standard charge: 7 hours
Rapid charge: 4 hours
B) By min. current: 32mA
Max continuous discharge current: 1600mA
Internal impedance (1kHz): approx 40mOhm
Exp. cycle life: >500 cycles >70% 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 5134

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

	Date	Name
Ers. /Orig.	13.05.2013	Xie Qingfang
Bearb. /Desig.		
Gepr. /Check.	13.05.2013	Guo Daxia

Benennung / Designation: LP903450

Zchng. / Dwg. Nr.: FD_2251_30

Index: 3

Origin:

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