

Specification

Lithium Polymer Battery Pack (LP606090) 4000mAh 3.7V with Protection Circuit Module (PCM)

Mechanical Characteristics

Type number: LP606090
 Designation IEC system: Lithium polymer battery pack
 Length: 90 ± 0.4 mm
 Width: 60 ± 0.2 mm
 Thickness: 6.0 ± 0.2 mm
 Cable: 50 ± 3.0 mm (28AWG UL 1007)
 Connector: Molex 51021-0300
 NTC: 103AT 10K 1% @ +25C
 Weight: appr. 75.0g

Electrical Specification

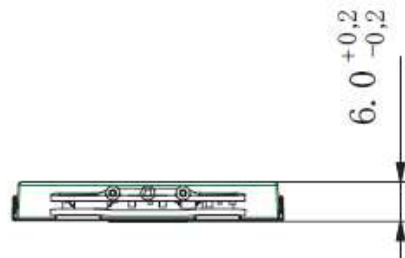
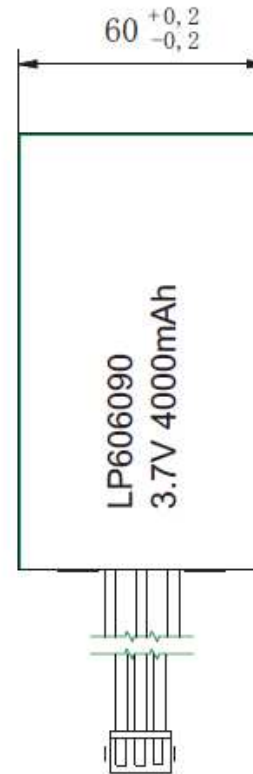
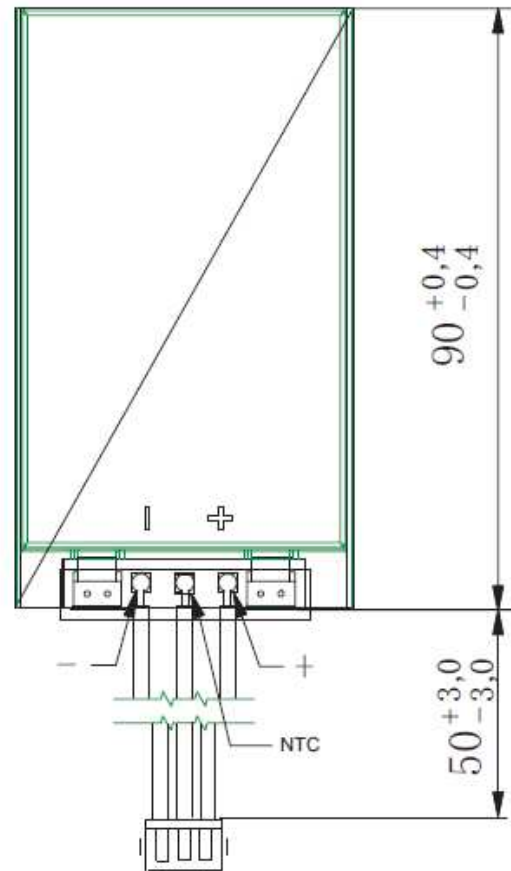
Rated capacity: 4000mAh min, 4070mAh typ.
 Nominal voltage: 3.7V
 Max. operating voltage range: 3.0V to 4.2V
 Charge voltage: 4.2 ± 50 mV
 Initial charge current: Standard charge: 2000mA
 Rapid charge: 4000mA
 Charging cut-off (A or B)
 A) By time: Standard charge: 7 hours
 Rapid charge: 4 hours
 B) By min. current: 80mA
 Max continuous discharge current: 4000mA
 Internal impedance (1kHz): approx 22mOhm
 Exp. cycle life: >500 cycles >70% of initial cap. (0.5C/0.5C)
 Cell protection
 Overcharge detection: 4.325 ± 25 mV
 (0.5 to 2.0 sec. delay, resume 4.075 ± 50 mV)
 Overdischarge detection: $3.00V \pm 25$ mV
 (6.25 to 250msec. delay, resume $2.9V \pm 100$ mV)

Ambient conditions

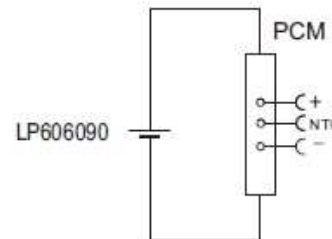
Temperature range
 Charge: 0 to +45°C
 Discharge: -20 to +60°C
 Charge retention/Storage: 1 year at -20 to 20°C >70%
 3 month at -20 to 45°C >70%
 1 month at -20 to 60°C >70%

Safety

Please follow handling and Safety Precautions Poliflex.



Circuit diagram



Index		Attention		Date	Name
Projection:		Clear Max werten besonders geprüf This dimensions are considered inspectable		Material: 66451753 5212	
Max in mm All dimensions in mm		Preferatoleranzen General tolerances		Date: 08.07.2013 Name: Xie Qingfang	
Als Betriebsgeheimnis anzuertraut alle Rechte vorbehalten.		up to 6 * 0,1 over 6 up to 30 * 0,2		Date: 08.07.2013 Name: Guo Daxia	
Proprietary data, company confidential, all rights reserved.		over 30 * 0,3 over 100 * 0,5		Benennung/Designation: LP606090	
		Orig:		Zöng. / Desig. Nr.: 3 FD_2251_86	
				Index:	