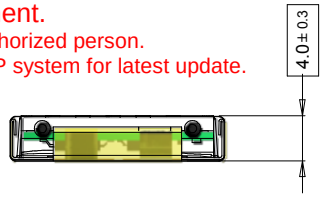
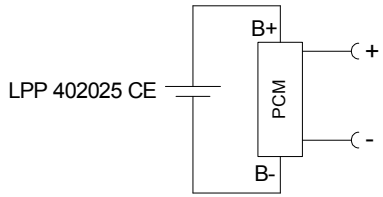
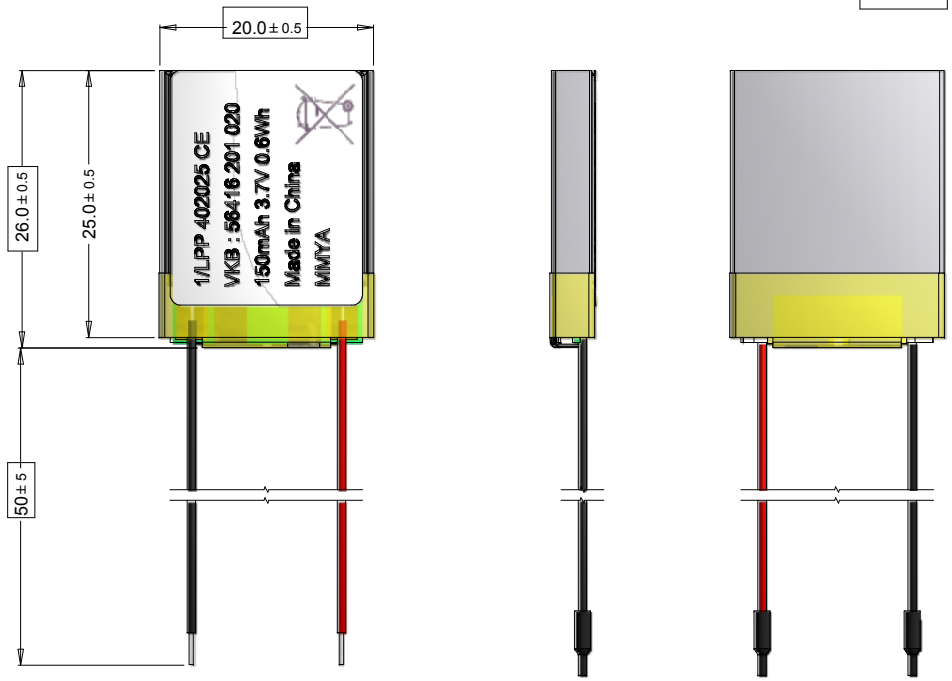
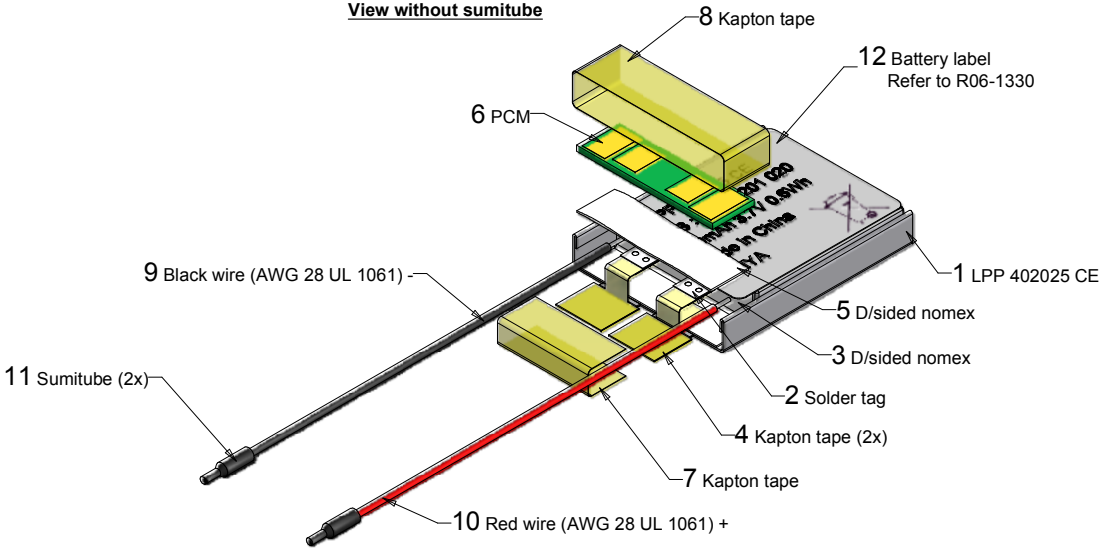


Circuit Diagram





View without sumitube



Specification

1. General:
Battery with safety circuit and wires
Cell: LPP 402025 CE
PCM: RP0QK301
NTC:
ID:None
Configuration: 1S
Weight: appr. 3.8g

2. Electrical Specification:
Rated Capacity: 140mAh min, 150mAh typical
Nominal Voltage: 3.7V
Watt-hour rating : 0.6Wh
Charging Method: Constant Current + Constant Voltage
Max. Charge Voltage [V]: 4.2 (±50mV)
Max. Continuous Charge Current: 140mA (limited by cell data sheet)
Recommeded Charge cut off: 2.8mAh or timer 3h
Max. Continuous Discharge Current: 280mA (limited by cell data sheet)
Recommended Discharge cut off: 3V
Internal Impedance: approx.270mΩ
Exp. Cycle Life:>300 cycles> 80% of initial cap. (0.5C/0.5C)

Cell protection
Overcharge Detection: 4.35V ± 0.025V
(0.4 to 2sec.delay,resume 4.1V ± 0.05V)
Overdischarge Detection: 2.3V ± 0.08V
(40 to 200msec.delay,resume 2.8V ± 0.1V)
Overcurrent Detection: 1.5A to 2.5A (4 to 20msec. delay)

3. Ambient Conditions
Temperature Range
-Charge: 0 to +45°C
-Discharge: -20 to +60°C
-Storage: 6 months at -20 to 45°C

-Humidity: 65 ± 20%RH

4. Environmental and Safety
Please follow VARTA Handling and Safety
Precautions for Li-Ion & LiPolymer
The cell is approved according UL 1642.
This battery meets the requirement of Battery Directives,
and the battery parts are RoHS Compliant.

☐ These dimensions are considered inspectable

No	AO No	Revisions		Date	Name
0	L050/08	Refer to provisional drawing P26-10095 rev 000		2008-09-03	Erwin

Projection:	Material: Refer to part list #700739	Description: 1/LPP 402025 CE PCM W with PCM and wires	
Dimensions in mm	Prepared & Checked	Verified & Approved	Dwg. No: 700739 — 4 0 0
Tolerance: As specified	2008-06-30 Erwin		VKB Order No: 56416 201 020
Scale: 2 : 1			

VARTA