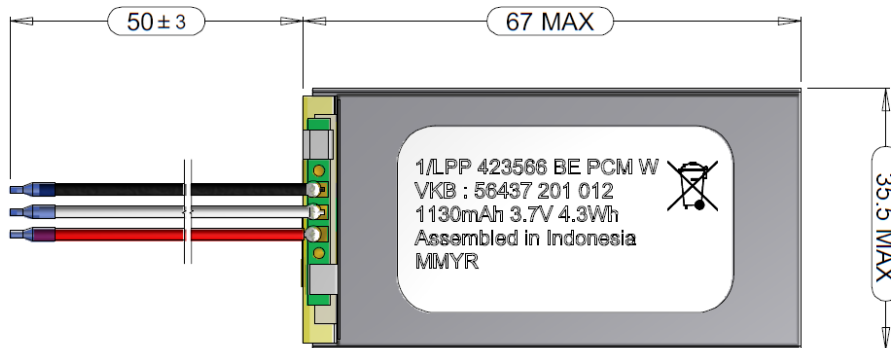


Product Information

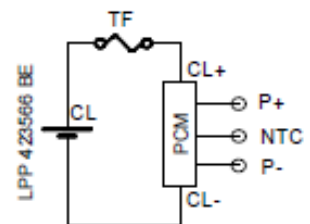
1/LPP 423566 BE PCM W

► VKB 56437 201 012



MM ► month two digits
Y ► year one digit
R ► plant one digit

Circuit Diagram



1. GENERAL

Battery Pack including safety circuit and wires

Cell	► LPP 423566 BE
PCM	► Yes
NTC	► 10 kΩ ± 1%; B-Value 3380 ± 1%
ID	► None
Configuration	► 1S
Weight	► appr. 26g

2. ELECTRICAL SPECIFICATION

Rated Capacity	► 1130mAh min., 1160mAh typical
Nominal Voltage	► 3.7V
Watt-Hour Rating	► 4.3Wh
Charging Method	► Constant Current + Constant Voltage
Max. Charge Voltage [V]:	► 4.2 (±50mV)
Max. Continuous Charge Current:	► 1130mA (limited by cell DS)
Rec. Charge Cut Off:	► by current 20mA or timer 2.5h
Max. Continuous Discharge Current:	► 2000mA (limited by PCM)
Rec. Discharge Cut Off:	► 3V
Internal Impedance:	► approx. 120mΩ
Expected Cycle Life @ (C/2) @ 20°C	► 400 cycles >75% of initial cap.

CELL PROTECTION

Overcharge Detection	► 4.275V ± 25mV (0.7 to 1.3sec. delay, resume 4.275V ± 25mV)
Overdischarge Detection:	► 2.30V ± 85mV (14 to 26msec. delay, resume 2.3V ± 58mV)
Overcurrent Detection	► 2.0A to 4.0A (8 to 16msec. delay)

3. AMBIENT CONDITIONS

Temperature Range	
• Charge	► 0 to +45°C
• Discharge	► -20 to +60°C
• Storage Temperature	► 6 months at -20 to +35°C ► 1 month at -20°C to +45°C
• Humidity	► 65 ± 20%RH

4. ENVIRONMENTAL AND SAFETY

Please follow VARTA Handling and Safety Precautions for Lilon & LiPolymer.
The cell used is a UL recognized component according to UL1642 and UN 38.3 certified.
The cell is IEC 62133 edition 2 certified.
This battery meets the requirements of Battery Directives and the battery parts are RoHS-Compliant.

Minimum Order Quantity: 600 pcs / Order Multiples: 120 pcs - Product for OEM customers only!

