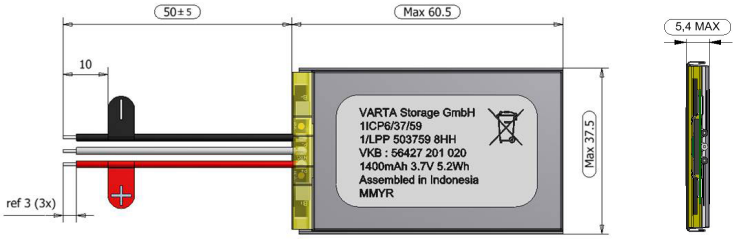
1/LPP 503759 8HH PCM W

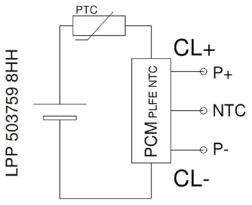
3.7 V | 1,400 mAh nominal | 5.2 Wh | VKB: 56427 201 022



View without Sumitube

MM: month two digits | Y: year one digit | R: week one digit

Circuit Diagram



GENERAL (Battery pack in shrink sleeve incl. safety circuit and wires)

Wire	AWG24 UL1007 (red wire (+), white wire (NTC), black wire (-))
Cell	LPP 503759 8HH
PCM	Yes
NTC	10 kΩ ± 1 %; B-value 3,380 K
ID	None
Configuration	1S
Weight	Approx. 25 g

ELECTRICAL SPECIFICATION

Nominal voltage	3.7 V
Rated capacity at (1.0 C / 0.2 C), 23 °C ± 2 °C	1,320 mAh min., 1,400 mAh nominal
Watt-hour rating	5.2 Wh
Charging method	Constant current + constant voltage
Max. charge voltage	4.2 V (± 0.05 V)
Max. continuous charge current	1,980 mA (limited by cell)
Rec. charge cut off	50 mA or timer 2.5 h
Max. continuous discharge current	2,000 mA (limited by PCM)
Rec. discharge cut off	3 V
Internal impedance	Approx. 100 mΩ
Exp. cycle life at (1.0 C / 0.5 C), 23 °C ± 2 °C	≥ 500 cycles ≥ 83 %

CELL & BATTERY PROTECTION

Overcharge detection	4.275 V ± 0.025 V (0.7 sec. to 1.3 sec. delay, resume 4.275 V ± 0.025 V)
Overdischarge detection	2.3 V ± 0.058 V (14 msec. to 26 msec. delay, resume 2.3 V ± 0.058 V)
Overcurrent detection	2 A to 4.5 A (8 msec. to 16 msec. delay at discharge)

ENVIRONMENTAL CONDITIONS

Charge	0 °C to +45 °C
Discharge	-20 °C to +60 °C
Storage	1 month at +23 °C ≥ 89 %
	1 month at +45 °C ≥ 85 %
	1 year at +23 °C ≥ 85 %
Humidity	0 to 85 RH %

SAFETY CERTIFICATIONS

Please follow VARTA handling and safety precautions for LiIon & LiPolymer.
The cell used is a UL recognized component according to UL1642 and IEC 62133 ed. 2 certified.
The battery meets the requirements of battery directives and the battery parts are RoHS-compliant.
The battery is certified according to UN38.3, IEC62133 ed.2 and IEC62133-2.

Minimum order quantity: 600 pcs / Order multiples: 120 pcs - Product for OEM customers only!

VARTA Storage GmbH - Rev No. 7 1118 801093