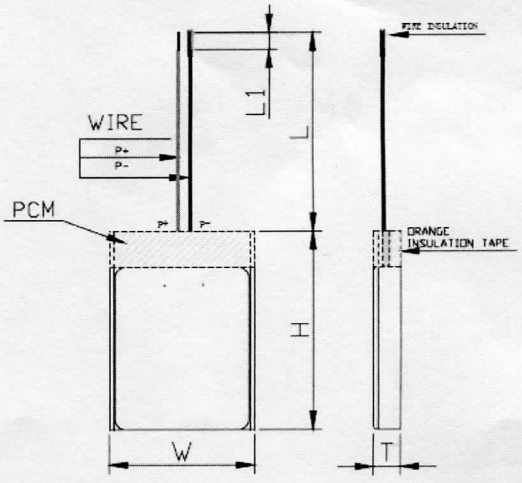
Data Sheet[1]

Basic Cell	SP851719P

Mechanical Drawing



Battery Dimensions [mm]

Length (L)	Max.22.0
Width (W)	Max.17.5
Thickness (T)	Max. 8.5 (delivery status) Max. 9.0 (after cycling)
Weight, approx. [g]	6
Cable length [mm]	55 +-5
Contacts	red = + ,1571/26 black = - ,1571/26

Electrical Parameter

Nominal Voltage [V]	3.7 (average)
Typical capacity [mAh]	210 (0.2C/3.0V at 20°C)
Minimum capacity C [mAh]	200 (0.2C/3.0V at 20°C)
Impedance initial [mΩ]	< 240 @ 1kHz at 4.2V
Max. Charge [mA]	200
Max. Charge Voltage [V]	4.20
Max. cont. Discharge [mA]	400
Life expectancy 0.5C/0.5C [20°C Cycles]	300 >80% of initial capacity
Operating temperature [°C]	Charge: 0 to 45 Discharge: -20 to 60
Storage Temperature	12 month at -20 to +20°C

Safety Parameter PCM

Overcharge Det. Voltage	4.280 +-0.025 V
Overcharge Release Voltage	4.130 +-0.050 V
Overdischarge Det. Voltage	3.000 +-0.050 V
Overdischarge Rel. Voltage	3.000 +-0.050 V
Overcurrent Det. Range	1.5-3 A

Delivery Status

Battery Voltage	3.7 – 3.9V
Battery Capacity	50-60%

Label

Standard	No label, printing on cell

Certifications

Cell	UL 1642
Battery	UN38.3, ROHS

[1] Prior to use read Handling Precaution and Prohibitions for Li-Polymer Batteries
Subject to change without prior notice !

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