

LITHIUM-POLY-LINE Battery LP 402020

rechargeable Lithium Polymer Order No. 60.10215

Data Sheet

Battery Dimensions [mm]

Length (L)	Max.22.0
Width (W)	Max.20.5
Thickness (T)	Max. 4.0 (delivery status) Max. 4.3 (after cycling)
Weight, approx. [g]	5
Cable length [mm]	50 +3
Contacts	wires red = + black = -

Electrical Parameter

Nominal Voltage [V]	3.7 (average)
Typical capacity [mAh]	110 (0.2C/3.0V at 20°C)
Minimum capacity C [mAh]	105 (0.2C/3.0V at 20°C)
Impedance initial [mΩ]	< 350 @ 1kHz at 4.2V
Max. Charge [mA]	105
Max. Charge Voltage [V]	4.20
Max. cont. Discharge [mA]	210
Life expectancy 0.5C/0.5C [20°C Cycles]	500 >80% of initial capacity
Operating temperature [°C]	Charge: 0 to 45 Discharge: -20 to 60

Storage Temperature 12 month at -20 to +25°C

Safety Parameter PCM

Overcharge Det. Voltage	4.280 +-0.025 V
Overcharge Release Voltage	4.130 +-0.050 V
Overdischarge Det. Voltage	2.800 +-0.050 V
Overdischarge Rel. Voltage	3.100 +-0.050 V
Overcurrent Det. Range	2-6 A

Delivery Status

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

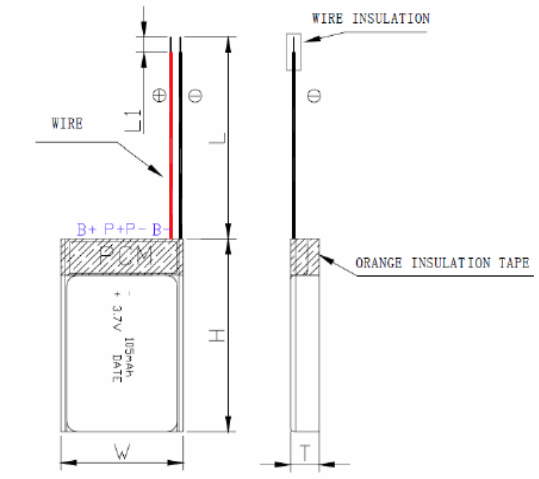
Label

Standard No label, printing on cell

Certifications

Cell	UL certified
Battery	UN38.3, ROHS

Mechanical Drawing



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