

Battery Data Sheet¹

Basic Cell

SP802036P

Battery Dimensions [mm]

Length (L) Max. 38.0
Width (W) Max. 20.5
Thickness (T) Max. 8.1 (delivery status)
Max. 8.5 (after cycling)

Weight, approx. [g]

12

Cable length [mm]

80 ±5

Connector

Pico Blade 510021-0200

Wires UL1571/AWG28

Pin 1 = black = -

Pin 2 = red = +

Electrical Parameter

Nominal Voltage [V] 3.7 (average)
Typical capacity [mAh] 530 (0.2C/3.0V at 20°C)
Minimum capacity C [mAh] 500 (0.2C/3.0V at 20°C)

Impedance initial [mΩ]

< 250 @ 1kHz at 4.2V

Max. Charge [mA]

500

Max. Charge Voltage [V]

4.20

Max. cont. Discharge [mA]

1000

Life expectancy 0.5C/0.5C
[20°C Cycles]

500 >70% 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 4.080 ±0.025 V
Overdischarge Det. Voltage 3.000 ±0.050 V
Overdischarge Rel. Voltage 3.000 ±0.050 V
Overcurrent Det. Range 2-6 A

Delivery Status

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

Label

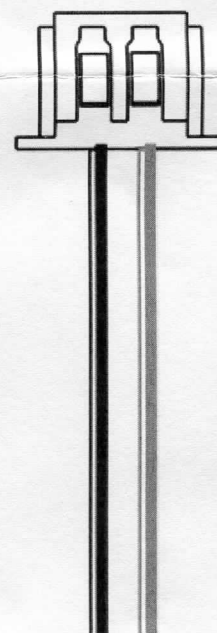
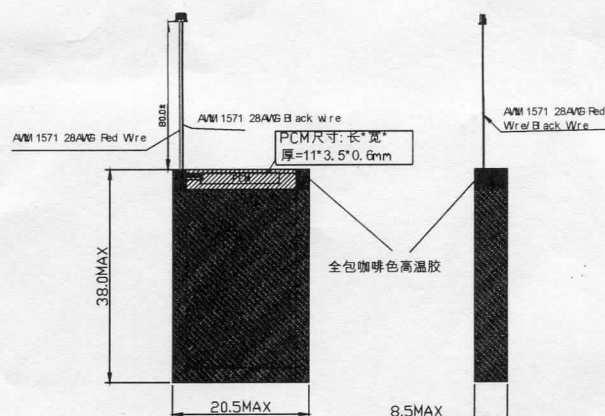
Standard

print

Certifications

Cell UL1642 (to be certified)
Battery UN38.3, ROHS

Mechanical Drawing



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