

ICP501230

Rechargeable Lithium Ion Polymer Battery Cell 3.7 V

Specifications

Renata Type	ICP501230
IEC designation	ICP061230
Part Number	100642
Contact method:	Tabs
Safety Circuit	On request

Nominal Voltage	3.7 V
Nominal Capacity	135 mAh
Minimum Capacity	130 mAh (0.2C cut off 3.0 V at 20°C)
Internal Impedance	< 270 mΩ / 50% SOC

Thickness (t)	Max 5.0 mm
Length (l)	Max 30.0 mm
Width (w)	Max 12.0 mm
Weight	~ 3.3 g

Charging Characteristic

Voltage	CC/CV – Constant Current / Constant Voltage 4.2 V CV
Current Normal	0.5 C CC – 67.5 mA
Max. Charging Current	1.0 C CC – 135 mA
Temperature at Charging	0 °C 45 °C

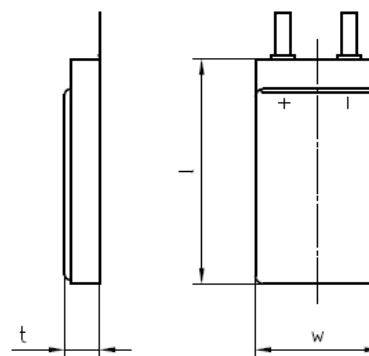
Discharge Characteristic

Cut off Voltage	3.0 V
Max Discharge Current	2.0 C – 270 mA (for non continues discharge) 1.0 C – 135 mA (for continues discharge)
Temperature during Discharge	-20 °C ... 60 °C

Cycle Life at Room Temperature > 80% of minimum capacity after 500 cycles (0.5 C charge, 0.5 C discharge)

Storage Temperature -20 °C ... 45 °C
(0 °C ... 30 °C recommended in case of storage for more than 3 months)

Dimensions



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