

# 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 / 30% SOC

Thickness ( t )	Max 5.5 mm
Length ( l )	Max 30.0 mm
Width ( w )	Max 12.0 mm
Weight	~ 3.3 g

## Charging Characteristic

	CC/CV – Constant Current / Constant Voltage
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

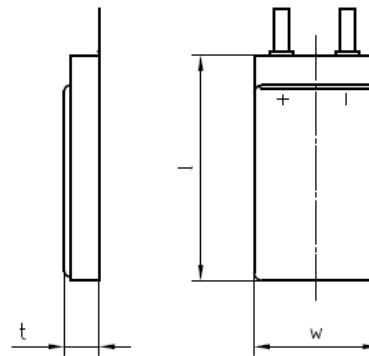
## Discharge Characteristic

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



Information and contents in this data sheet are for reference purpose only. They do not constitute any warranty or representation and are subject to change without notice. For most current information and further details, please contact your Renata representative. For safety related information please consult the ASDS document related to that product or product family. The Products of Renata SA are neither designed nor authorized for use in certain areas of application of environment. For further details we refer to our webpage [www.renata.com/downloads/restriction\\_of\\_use](http://www.renata.com/downloads/restriction_of_use)

Rev. ICP501230 V02 08/2019