

# ICP501022UPM

Rechargeable Lithium Ion Polymer Battery Pack 3.7 V

With Safety Circuit, IEC62133 certified

## Specifications

Renata Type	ICP501022
IEC Designation	ICP061024
Part Number	100640
Contact:	Wire AWG 30
Safety Circuit	Yes

Nominal Voltage	3.7 V
Nominal Capacity	80 mAh
Minimum Capacity	75 mAh (0.2C cut off 3.0 V at 20°C)
Internal Impedance	< 460 mΩ / 30% SOC

Thickness ( t )	Max 5.5 mm
Length ( l )	Max 24.0 mm
Width ( w )	Max 10.0 mm
Weight	~ 2.6 g

## Charging Characteristic

	CC/CV – Constant Current / Constant Voltage
Voltage	4.2 V CV
Current Normal	0.5 C CC – 40 mA
Max. Charging Current	1.0 C CC – 80 mA
Temperature at Charging	0 °C .... 45 °C

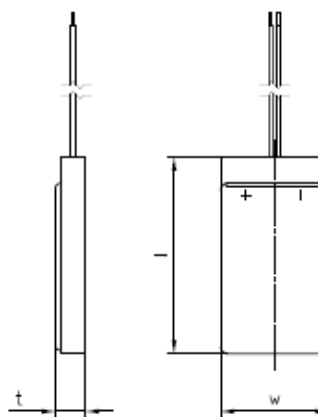
## Discharge Characteristic

Cut off Voltage	3.0 V
Max Discharge Current	2.0 C – 160 mA ( for non continues discharge ) 1.0 C – 80 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 )
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Storage Temperature	-20 °C ... 45 °C ( 0 °C ... 30 °C recommended in case of storage for more than 3 months)
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## Dimensions



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Rev. ICP501022 V02 08/2019

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