

# ICP402050PR

Rechargeable Lithium Ion Polymer Battery Pack 3.7 V  
Safety Circuit, IEC62133 certified

## Specifications

Renata Type	ICP402050
IEC Designation	ICP052153
Part Number	100649
Contact Method	Wire AWG 30
Safety Circuit	Yes

Nominal Voltage	3.7 V
Nominal Capacity	420 mAh
Minimum Capacity	400 mAh ( 0.2C cut off 3.0 V at 20°C )

Internal Impedance < 290 mΩ / 30% SOC

Thickness ( t )	Max 4.5 mm
Length ( l )	Max 52.5 mm
Width ( w )	Max 20.7 mm
Weight	~ 8.8 g

## Charging Characteristic

Voltage	CC/CV – Constant Current / Constant Voltage 4.2 V CV
Current Normal	0.5 C CC – 210 mA
Max. Charging Current	1.0 C CC – 420 mA
Temperature at Charging	0 °C .... 45 °C

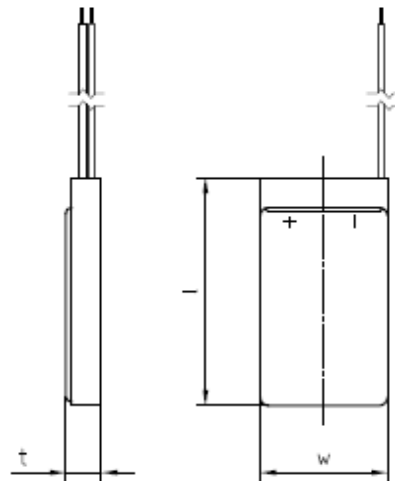
## Discharge Characteristic

Cut off Voltage	3.0 V
Max Discharge Current	2.0 C – 840 mA ( for non continues discharge ) 1.0 C – 420 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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