

# ICP641414PE

Rechargeable Lithium Ion Polymer Battery Pack 3.7 V  
Safety Circuit,

## Specifications

Renata Type	ICP641414
IEC Designation	ICP071517
Part Number	100694
Contact Method:	Wire AWG 30
Safety Circuit	Yes

Nominal Voltage	3.7 V
Typical Capacity	95 mAh
Minimum Capacity	85 mAh (0.2C cut off 3.0 V at 20°C)

Internal Impedance < 550 mΩ / 30% SOC

Thickness ( t )	Max 6.7 mm
Length ( l )	Max 16.8 mm
Width ( w )	Max 14.9 mm
Weight	~ 2.7 g

## Charging Characteristic

CC/CV – Constant Current / Constant Voltage	
Voltage	4.2 V CV
Current Normal	0.5 C CC – 47.5 mA
Max. Charging Current	1.0 C CC – 95 mA
Temperature at Charging	0 °C .... 45 °C

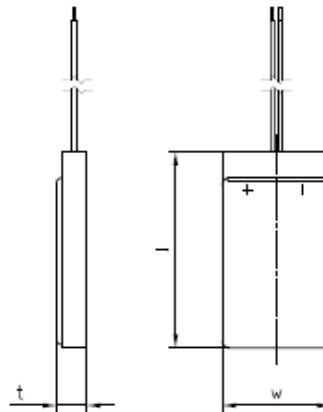
## Discharge Characteristic

Cut off Voltage	3.0 V
Max discharge Current	2.0 C – 190 mA ( for non continues discharge ) 1.0 C – 95 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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