

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
Nominal Capacity	95 mAh
Minimum Capacity	85 mAh (0.2C cut off 3.0 V at 20°C)
Internal Impedance	< 550 mΩ / 50% SOC

Thickness (t)	Max 6.8 mm
Length (l)	Max 16.8 mm
Width (w)	Max 14.9 mm
Weight	~ 2.7 g

Charging Characteristic

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

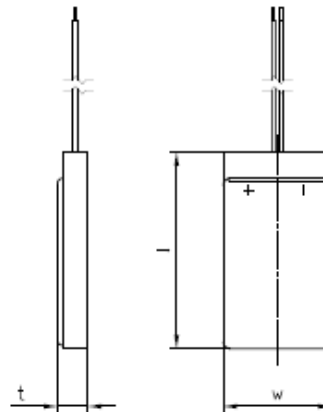
Discharge Characteristic

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)
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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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