

ICP501421PS

Rechargeable Lithium Ion Polymer Battery Pack 3.7 V

Safety Circuit

Specifications

Renata Type	ICP501421
IEC Designation	ICP061423
Part Number	100690
Contact Method	Wire AWG 30
Safety Circuit	Yes

Nominal Voltage	3.7 V
Nominal Capacity	115 mAh
Minimum Capacity	108 mAh (0.2C cut off 3.0 V at 20 °C)

Internal Impedance	< 360 mΩ / 50% SOC
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Thickness (t)	Max 5.2 mm
Length (l)	Max 22.5 mm
Width (w)	Max 14.1 mm
Weight	~ 3.1 g

Charging Characteristic

Voltage	CC/CV – Constant Current / Constant Voltage
Current Normal	4.2 V CV
Max. Charging Current	0.5 C CC – 57.5 mA
Temperature at Charging	1.0 C CC – 115 mA
	0 °C 45 °C

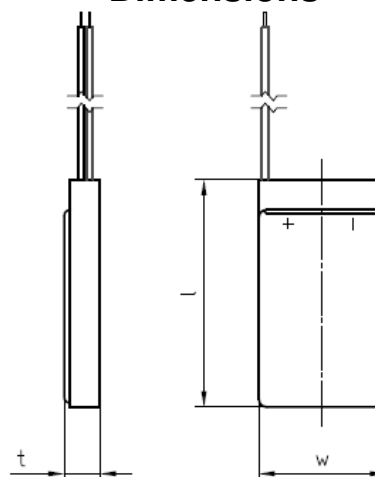
Discharge Characteristic

Cut off Voltage	3.0 V
Max Discharge Current	2.0 C – 230 mA (for non continues discharge)
	1.0 C – 115 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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