

ICP390831PR

Rechargeable Lithium Ion Polymer Battery Pack 3.7 V

Safety Circuit,

Specifications

Renata Type	ICP390831
IEC Designation	ICP050933
Part Number	101025
Contact Method:	Wire AWG 30
Safety Circuit	Yes

Nominal Voltage	3.7 V
Typical Capacity	85 mAh
Minimum Capacity	80 mAh (0.2C cut off 3.0 V at 20°C)

Internal Impedance	< 530 mΩ / 30% SOC
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Thickness (t)	Max 4.3 mm (after 500 cycles)
Length (l)	Max 33.0 mm (after 500 cycles)
Width (w)	Max 8.7 mm (after 500 cycles)
Weight	~ 2.8 g

Charging Characteristic

Voltage	CC/CV – Constant Current / Constant Voltage
Current Normal	4.2 V CV
Max. Charging Current	0.5 C CC – 42.5 mA
Temperature at Charging	1.0 C CC – 85 mA
	0 °C 45 °C

Discharge Characteristic

Cut off Voltage	3.0 V
Max discharge Current	2.0 C – 170 mA (for non continues discharge)
	1.0 C – 85 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

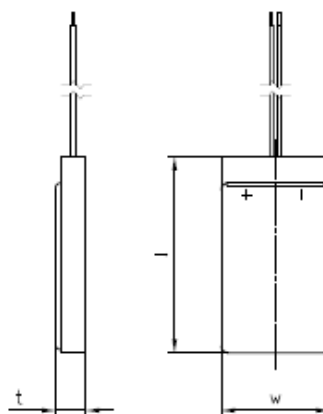


Illustration only. For detailed drawing please contact your sales representative.

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