

ICP682828HPMT

Rechargeable Lithium Ion Polymer Battery Pack 3.8 V
Safety Circuit, NTC

Specifications

Renata Type	ICP682828
IEC Designation	ICP082830
Part Number	101031
Contact Method:	Wire AWG 30
Safety Circuit	Yes, incl. NTC

Nominal Voltage	3.8 V
Typical Capacity	560 mAh
Minimum Capacity	530 mAh (0.2C cut off 3.0 V at 20°C)

Internal Impedance < 230 mΩ / 30% SOC

Thickness (t)	Max 7.5 mm (after 500 cycles)
Length (l)	Max 30 mm (after 500 cycles)
Width (w)	Max 28 mm (after 500 cycles)
Weight	~ 10.3 g

Charging Characteristic

CC/CV – Constant Current / Constant Voltage	
Voltage	4.35 V CV
Current Normal	0.5 C CC – 280 mA
Max. Charging Current	1.0 C CC – 560 mA
Temperature at Charging	0 °C 45 °C

Discharge Characteristic

Cut off Voltage	3.0 V
Max discharge Current	2.0 C – 1120 mA (for non continues discharge) 1.0 C – 560 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

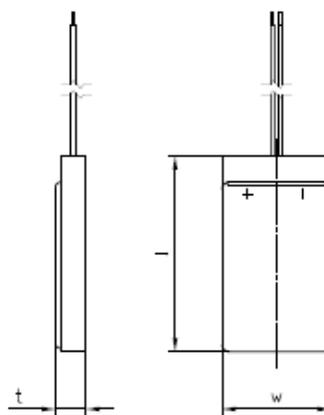


Illustration only. For detailed drawing please contact your sales representative.

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