

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

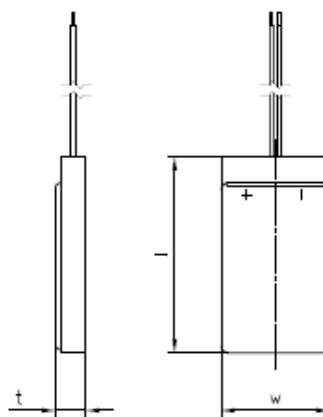


Illustration only. For detailed drawing please contact your sales representative.

Information and contents in this data sheet are for reference purpose only. They do not constitute any warranty or representation and are subject to change without notice. For most current information and further details, please contact your Renata representative. For safety related information please consult the ASDS document related to that product or product family. The Products of Renata SA are neither designed nor authorized for use in certain areas of application of environment. For further details we refer to our webpage www.renata.com/downloads/restriction_of_use