

ICP402050PR

Rechargeable Lithium Ion Polymer Battery Pack 3.7 V
Safety Circuit

Specifications

| | |
|-----------------|-------------|
| Renata Type | ICP402050 |
| IEC Designation | ICP052153 |
| Part Number | 100649 |
| Contact Method | Wire AWG 30 |
| Safety Circuit | Yes |

| | |
|------------------|---|
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 420 mAh |
| Minimum Capacity | 400 mAh (0.2C cut off 3.0 V at 20°C) |

Internal Impedance < 290 mΩ / 30% SOC

| | |
|-----------------|-------------|
| Thickness (t) | Max 4.5 mm |
| Length (l) | Max 52.5 mm |
| Width (w) | Max 20.7 mm |
| Weight | ~ 8.8 g |

Charging Characteristic

| | |
|-------------------------|---|
| Charging Characteristic | CC/CV – Constant Current / Constant Voltage |
| Voltage | 4.2 V CV |
| Current Normal | 0.5 C CC – 210 mA |
| Max. Charging Current | 1.0 C CC – 420 mA |
| Temperature at Charging | 0 °C 45 °C |

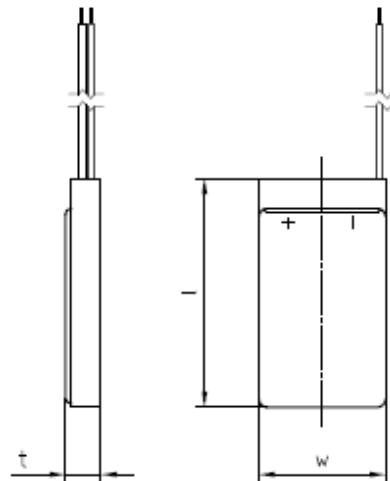
Discharge Characteristic

| | |
|------------------------------|--|
| Cut off Voltage | 3.0 V |
| Max Discharge Current | 2.0 C – 840 mA (for non continues discharge) 1.0 C – 420 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



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