ICP581323PA-01
Rechargeable Lithium Ion Polymer Battery Pack 3.7 V
Safety Circuit, IEC62133 certified

Specifications

<table>
<thead>
<tr>
<th>Renata Type</th>
<th>ICP581323</th>
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<tbody>
<tr>
<td>IEC Designation</td>
<td>ICP071425</td>
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<tr>
<td>Part Number</td>
<td>100692</td>
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<td>Contact Method:</td>
<td>Wire AWG 30</td>
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<tr>
<td>Safety Circuit</td>
<td>Yes</td>
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</tbody>
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Nominal Voltage
3.7 V

Nominal Capacity
145 mAh

Minimum Capacity
140 mAh
(0.2C cut off 3.0 V at 20°C)

Internal Impedance
< 410 mΩ / 30% SOC

Thickness (t)
Max 6.2 mm

Length (l)
Max 24.5 mm

Width (w)
Max 13.2 mm

Weight
~ 3.7 g

Charging Characteristic
Constant Current / Constant Voltage

Voltage
4.2 V CV

Current Normal
0.5 C CC – 72.5 mA

Max. Charging Current
1.0 C CC – 145 mA

Temperature at Charging
0 °C …. 45 °C

Discharge Characteristic

Cut off Voltage
3.0 V

Max discharge Current
2.0 C – 290 mA (for non continues discharge)
1.0 C – 145 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)