ICP641414PE
Rechargeable Lithium Ion Polymer Battery Pack 3.7 V
Safety Circuit,

### Specifications

<table>
<thead>
<tr>
<th>Renata Type</th>
<th>ICP641414</th>
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<tbody>
<tr>
<td>IEC Designation</td>
<td>ICP071517</td>
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<tr>
<td>Part Number</td>
<td>100694</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
- **Typical Capacity**: 95 mAh
- **Minimum Capacity**: 85 mAh
  
  (0.2C cut off 3.0 V at 20°C)

- **Internal Impedance**: < 550 mΩ / 30% SOC

- **Thickness (t)**: Max 6.7 mm
- **Length (l)**: Max 16.8 mm
- **Width (w)**: Max 14.9 mm
- **Weight**: ~ 2.7 g

### Charging Characteristic

- **Voltage**: CC/CV – Constant Current / Constant Voltage
- **Current Normal**: 4.2 V CV
- **Max. Charging Current**: 0.5 C CC – 47.5 mA
- **Temperature at Charging**: 0 °C …. 45 °C

### Discharge Characteristic

- **Cut off Voltage**: 3.0 V
- **Max discharge Current**: 2.0 C – 190 mA (for non continues discharge)
  1.0 C – 95 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)

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