

ICP641620PA

Rechargeable Lithium Ion Polymer Battery Pack 3.7 V
Safety Circuit

Specifications

| | |
|-----------------|-------------|
| Renata Type | ICP641620 |
| IEC Designation | ICP071622 |
| Part Number | 100695 |
| Contact Method: | Wire AWG 30 |
| Safety Circuit | Yes |

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|--------------------|---|
| Nominal Voltage | 3.7 V |
| Nominal Capacity | 165 mAh |
| Minimum Capacity | 155 mAh (0.2C cut off 3.0 V at 20°C) |
| Internal Impedance | < 370 mΩ / 50% SOC |

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|-----------------|-------------|
| Thickness (t) | Max 6.9 mm |
| Length (l) | Max 21.5 mm |
| Width (w) | Max 16 mm |
| Weight | ~ 3.9 g |

Charging Characteristic

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|-------------------------|---|
| Charging Characteristic | CC/CV – Constant Current / Constant Voltage |
| Voltage | 4.2 V CV |
| Current Normal | 0.5 C CC – 82.5 mA |
| Max. Charging Current | 1.0 C CC – 165 mA |
| Temperature at Charging | 0 °C 45 °C |

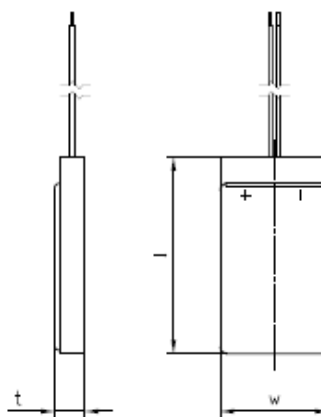
Discharge Characteristic

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|------------------------------|--|
| Cut off Voltage | 3.0 V |
| Max discharge Current | 2.0 C – 330 mA (for non continues discharge) 1.0 C – 165 mA (for continues discharge) |
| Temperature during Discharge | -20 °C ... 60 °C |

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|--------------------------------|--|
| 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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