

# ICP402025PC-01

Rechargeable Lithium Ion Polymer Battery Pack 3.7 V

Safety Circuit, Connector, **IEC62133 certified**

## Specifications

|                 |           |
|-----------------|-----------|
| Renata Type     | ICP402025 |
| IEC Designation | ICP052128 |
| Part Number     | 100644    |
| Contact Method  | Connector |
| Safety Circuit  | Yes       |

|                  |                                           |
|------------------|-------------------------------------------|
| Nominal Voltage  | 3.7 V                                     |
| Nominal Capacity | 155 mAh                                   |
| Minimum Capacity | 150 mAh<br>( 0.2C cut off 3.0 V at 20°C ) |

|                    |                    |
|--------------------|--------------------|
| Internal Impedance | < 400 mΩ / 30% SOC |
|--------------------|--------------------|

|                 |             |
|-----------------|-------------|
| Thickness ( t ) | Max 4.3 mm  |
| Length ( l )    | Max 27.5 mm |
| Width ( w )     | Max 20.5 mm |
| Weight          | ~ 4.0 g     |

## Charging Characteristic

|                         |                                                         |
|-------------------------|---------------------------------------------------------|
| Voltage                 | CC/CV – Constant Current / Constant Voltage<br>4.2 V CV |
| Current Normal          | 0.5 C CC – 77.5 mA                                      |
| Max. Charging Current   | 1.0 C CC – 155 mA                                       |
| Temperature at Charging | 0 °C .... 45 °C                                         |

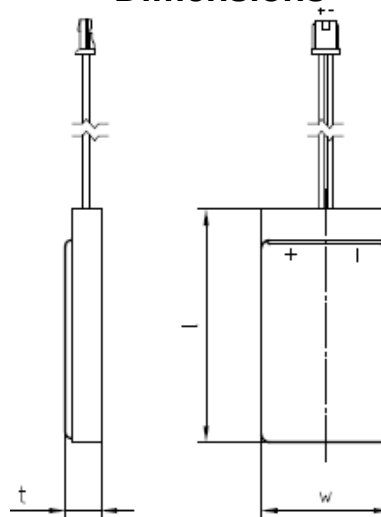
## Discharge Characteristic

|                              |                                                                                              |
|------------------------------|----------------------------------------------------------------------------------------------|
| Cut off Voltage              | 3.0 V                                                                                        |
| Max Discharge Current        | 2.0 C – 310 mA ( for non continues discharge )<br>1.0 C – 155 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<br>( 0 °C ... 30 °C recommended in case of storage for more than 3 months) |
|---------------------|---------------------------------------------------------------------------------------------|

## Dimensions



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