

# ICP543759PMT

Rechargeable Lithium Ion Polymer Battery Pack 3.7 V

With Safety Circuit, **IEC62133 certified**

## Specifications

|                 |             |
|-----------------|-------------|
| Renata Type     | ICP543759   |
| IEC Designation | ICP063861   |
| Part Number     | 100652      |
| Contact Method  | Wire AWG 30 |
| Safety Circuit  | Yes         |

|                    |                                            |
|--------------------|--------------------------------------------|
| Nominal Voltage    | 3.7 V                                      |
| Nominal Capacity   | 1320 mAh                                   |
| Minimum Capacity   | 1260 mAh<br>( 0.2C cut off 3.0 V at 20°C ) |
| Internal Impedance | < 280 mΩ / 30% SOC                         |

|                 |             |
|-----------------|-------------|
| Thickness ( t ) | Max 5.95 mm |
| Length ( l )    | Max 61 mm   |
| Width ( w )     | Max 37.5 mm |
| Weight          | ~ 26 g      |

## Charging Characteristic

|                         |                                             |
|-------------------------|---------------------------------------------|
| Voltage                 | CC/CV – Constant Current / Constant Voltage |
| Current Normal          | 4.2 V CV                                    |
| Max. Charging Current   | 0.5 C CC – 660 mA                           |
| Temperature at Charging | 1.0 C CC – 1320 mA                          |
|                         | 0 °C .... 45 °C                             |

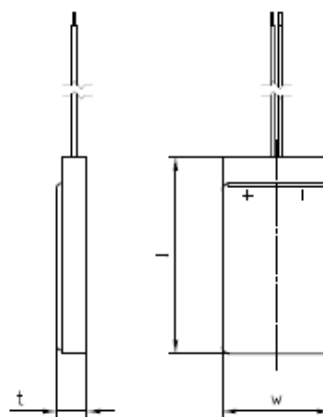
## Discharge Characteristic

|                              |                                                 |
|------------------------------|-------------------------------------------------|
| Cut off Voltage              | 3.0 V                                           |
| Max Discharge Current        | 2.0 C – 2640 mA ( for non continues discharge ) |
|                              | 1.0 C – 1320 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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