

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 (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

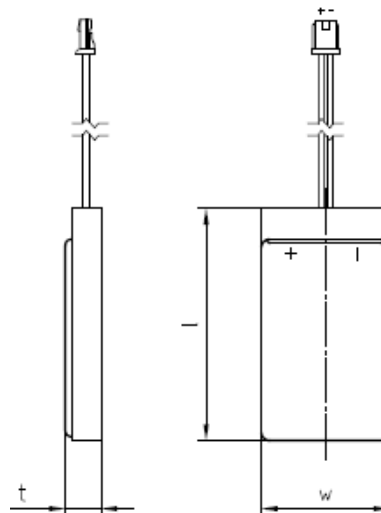
Charging Characteristic	CC/CV – Constant Current / Constant Voltage
Voltage	4.2 V CV
Current Normal	0.5 C CC – 77.5 mA
Max. Charging Current	1.0 C CC – 155 mA
Temperature at Charging	0 °C 45 °C

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

Dimensions



Information and contents in this data sheet are for reference purpose only. They do not constitute any warranty or representation and are subject to change without notice. For most current information and further details, please contact your Renata representative. For safety related information please consult the ASDS document related to that product or product family. The Products of Renata SA are neither designed nor authorized for use in certain areas of application of environment. For further details we refer to our webpage www.renata.com/downloads/restriction_of_use

Rev. ICP402025 V02 08/2019