

ICP501233PA-02

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

Specifications

Renata Type	ICP501233
IEC Designation	ICP061235
Part Number	100689
Contact Method	Wire AWG 30
Safety Circuit	Yes

Nominal Voltage	3.7 V
Nominal Capacity	175 mAh
Minimum Capacity	170 mAh (0.2C cut off 3.0 V at 20°C)
Internal Impedance	< 480 mΩ / 30% SOC

Thickness (t)	Max 5.3 mm
Length (l)	Max 12.0 mm
Width (w)	Max 35.0 mm
Weight	~ 4.2 g

Charging Characteristic

	CC/CV – Constant Current / Constant Voltage
Voltage	4.2 V CV
Current Normal	0.5 C CC – 87.5 mA
Max. Charging Current	1.0 C CC – 175 mA
Temperature at Charging	0 °C 45 °C

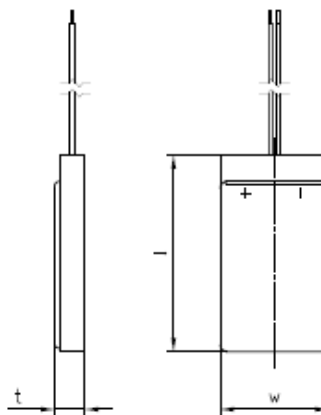
Discharge Characteristic

Cut off Voltage	3.0 V
Max Discharge Current	2.0 C – 350 mA (for non continues discharge) 1.0 C – 175 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. ICP501233PA V03 08/2019