ICP281029HPG

Rechargeable Lithium Ion Polymer Cell 3.8 V

Specifications

Renata Type	ICP281029
IEC Designation	ICP041131
Part Number	101024
Contact Method:	Wire AWG 30
Safety Circuit	No
Nominal Voltage	3.8 V
Typical Capacity	68 mAh
Minimum Capacity	65 mAh
	(0.2C cut off 3.0 V at 20°C)
Internal Impedance	< 570 mΩ / 30% SOC
Thickness (t)	Max 3.3 mm (after 500 cycles)
Lenghth (l)	Max 30.5 mm (after 500 cycles)
Width (w)	Max 10.2 mm (after 500 cycles)
Weight	~ 2.4 g

Charging Characteristic — CC/CV – Constant Current / Constant Voltage

Voltage	4.35 V CV
Current Normal	0.5 C CC – 34 mA
Max. Charging Current	1.0 C CC – 68 mA
Temperature at Charging	0 °C …. 45 °C

Discharge Characteristic

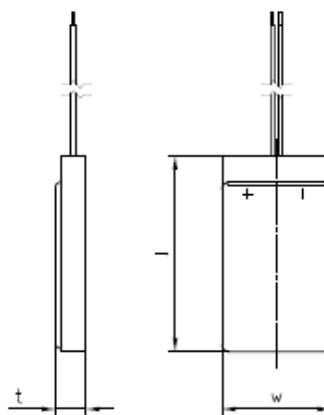|	
Cut off Voltage	3.0 V
Max discharge Current	2.0 C – 136 mA (for non continues discharge)
	1.0 C – 68 mA (for continues discharge)
Temperature during Discharge	-20 °C … 60 °C
Cycle Life at Room Temperature	> 80% of minimum capacity after 500 cycles (0.5 C charge, 0.5 C discharge)
Storage Temperature	-20 °C … 45 °C
	(0 °C … 30 °C recommended in case of storage for more than 3 months)

Dimensions

Illustration only. For detailed drawing please contact your sales representative.

Rev. ICP281029HPG_V01   11/2022