

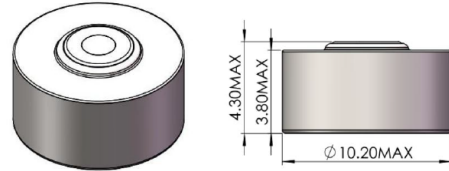
ICR1040 B1 Datasheet

Rechargeable Lithium Ion Coin Cell 3.7 V

Specifications

Renata Type	ICR1040 B1
Nominal Voltage	3.7 V
Nominal Capacity	33 mAh
Minimum Capacity	31 mAh (0.2C cut off 3.0 V at 23°C)
Internal Impedance Initial	< 800 mΩ appr. 1 kHz (60% SOC)
Weight	~ 0.9 g

Dimensions



Charging Characteristic	CC/CV – Constant Current / Constant Voltage
Voltage	4.2 V
Current Normal	0.2 C CC – 6.2 mA
Cut-Off Current	0.05 C – 1.6 mA
Max. Charging Current	2.0 C CC – 62 mA
Temperature at Charging	0 °C 45 °C

Discharge Characteristic

Cut-Off Voltage	3.0 V
Max. Cont. Discharge Current	1.0 C – 31 mA
Temperature during Discharge	-20 °C ... 60 °C
Cycle Life at Room Temperature	> 80% of minimum capacity after 1'000 cycles

Storage at SOC 30% SOC

1 month	Up to - 55 °C
3 month	Up to - 45 °C
1 Year	-20 to - 25 °C

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