

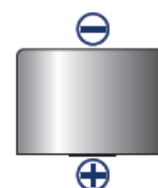
# ICR1069 Preliminary Datasheet - CONFIDENTIAL

Rechargeable Lithium Ion Coin Cell 3.7 V

## Specifications

Renata Type	ICR1069
IEC Designation	N.N.
Part Number	100807
Contact Method:	Ni-plated Metal Case
Safety Circuit	No

## Dimensions



Nominal Voltage	3.7 V
Nominal Capacity	40 mAh
Minimum Capacity	37.5 mAh ( 0.2C cut off 3.0 V at 20°C )

Internal Impedance Initial < 1 Ω @ 1 kHz

Diameter (D)	9.9 mm ±0.1
Height (T)	6.8 mm ±0.1
Weight	~ 2.0 g

## Charging Characteristic

Current Normal	0.2 C CC – 8 mA
Voltage	4.2 V CV
Cut-Off Current	0.05 C – 2 mA
Max. Charging Current	0.5 C CC – 20 mA
Temperature at Charging	0 °C .... 45 °C

## Discharge Characteristic

Cut off Voltage	3.0 V
Max Discharge Current	2.0 C – 80 mA (for non continues discharge) 1.0 C – 40 mA (for continues discharge)
Temperature during Discharge	-20 °C ... 60 °C

Cycle Life at Room Temperature > 80% of initial capacity after 500 cycles ( 0.2 C CC/CV charge, 0.2 C discharge )

Storage Temperature -20 °C ... 45 °C  
( 0 °C ... 30 °C recommended in case of storage for more than 3 months)

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