

LMR2016

Rechargeable Lithium Manganese Dioxide Coin Cell 3.0 V

Specifications

Renata Type LMR2016
 Part Number 100775 (IB)
 Batteries with tabs On request
 UL Recognition MH14002

Nominal Voltage 3.0 V
 Standard Capacity 30 mAh
 (load 5.6 kΩ, cut off 2.0 V at 23°C)

Internal Impedance Initial max. 30Ω (measured at 23°C, 1 kHz)
 After 12 month storage at 23°C max. 35Ω

Thickness 1.60 +0.2 / -0.2 mm
 Diameter 20.0 +0 / -0.2 mm
 Weight ~ 1.2 g

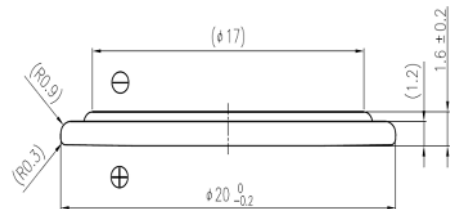
Charging Characteristic CC/CV – Constant Current / Constant Voltage
 Voltage (intermittent charging) 3.25 V CV
 Voltage (continuous charging) 3.10 V CV
 Current Normal 0.3mA
 Max. Charging Current 10mA
 Temperature at charging - 20 °C - 60 °C

Discharge Characteristic
 Cut off Voltage 2.0 V
 Max discharge current 8mA (continuous); 20mA (pulse)
 Temperature during discharge -20°C - 60°C
 Discharge capability ≥ 50% of nominal capacity at 8 mA discharge
 Cycle life at room temperature > 500 cycles (20 % depth of discharge)

Storage 10°C - 30°C, ≤ 60 % r.H. (in case of storage for more than one month)

Self discharge rate <1% / year at 23°C

Dimensions

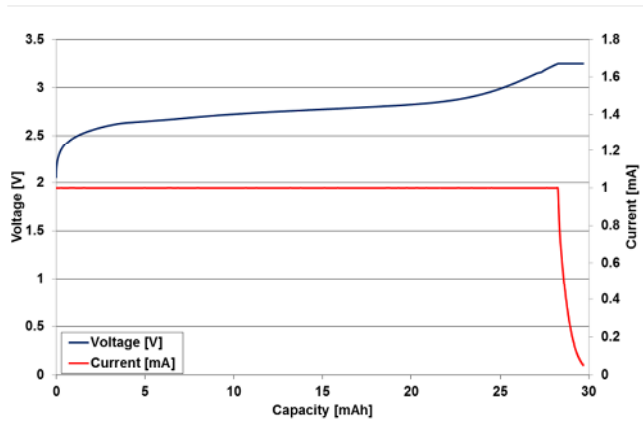


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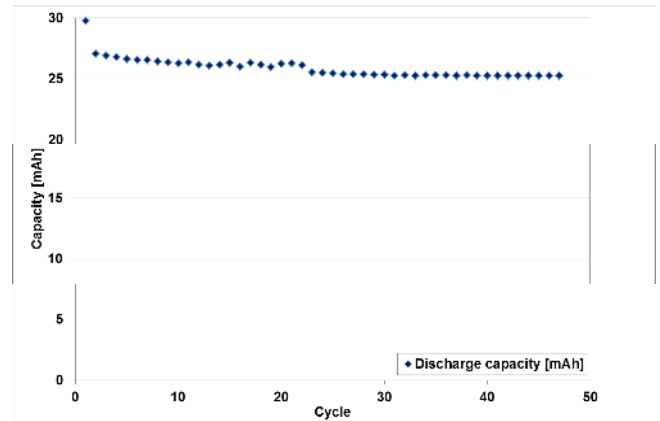
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Typical Battery Performance

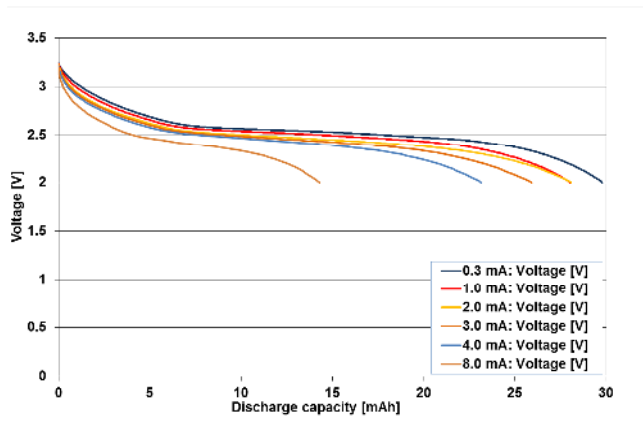
Charge Characteristic at 25 °C



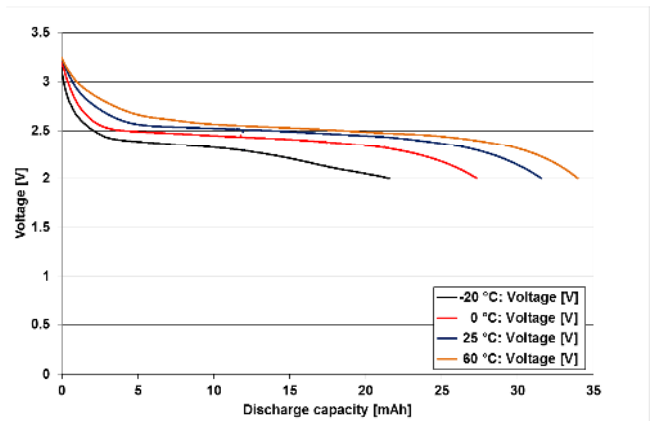
Cycle Life Characteristic



Discharge Characteristic at 25°C



Temperature performance at 0.2 mA



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