

CLASSIFICATION

Classification: Primary Lithium Coin Cell
 Chemical Classification: Lithium Manganese Dioxide (LiMnO₂)

ELECTRICAL CHARACTERISTICS

Nominal Voltage: 3.0 Volts
 Open Circuit Voltage: 3.0 - 3.4 Volts
 Cut Off Voltage: 2.0 Volts
 Typical Capacity: 300 mAh (to 2.0V)
 Rated at 15kΩ at 23°C.
 Standard Discharge Current: 0.2 mA
 Max. Continuous Discharge Current: .75 mA—Up to 40% of maximum capacity to 2V
 Max. Pulse Discharge Current: 15 mA—15 sec. pulse to 40% of discharge
 Weight Energy Density: 195 mWh/g
 Volume Energy Density: 578 mWh/cc

TEMPERATURE EXPOSURE

Operating Temperature: -20°C to +70°C
 Storage Temperature: 0°C to 30°C

PHYSICAL CHARACTERISTICS

Maximum Dimensions: Diameter 23.0 mm +0/- 0.3
 Height 3.5 mm +0/- 0.3
 Typical Weight: 4.3 grams (0.1517 oz.)
 Typical Lithium Content: 0.078 grams (0.0027 oz.)

SHELF CHARACTERISTICS

Self Discharge per Year: <2.5%
 Shelf Life: 7 Years

INTERNAL CONSTRUCTION

Seal: Polypropylene
 Case Material: Sus430+Ni Plated

AGENCY TESTS

UN Tests: 49CFR 173.185
 UL Certification: MH48152
 RoHS Compliance: Yes

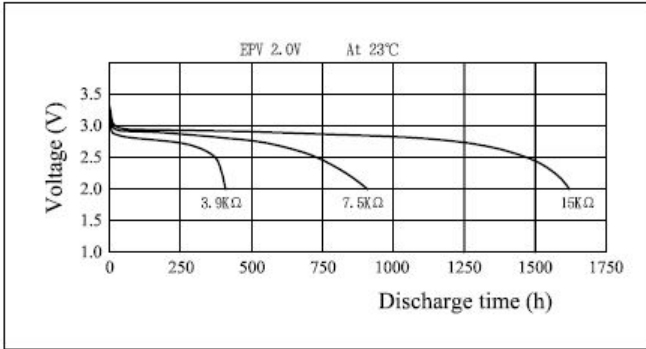
SHIPPING

IATA Lithium Metal Cells and Batteries shipping requirements UN Manual of Tests and Criteria Part III Subsection 38.3 Compliant. For packaging details please reference UN3090 P1968 Section III. (United States: 49CFR 173.185)

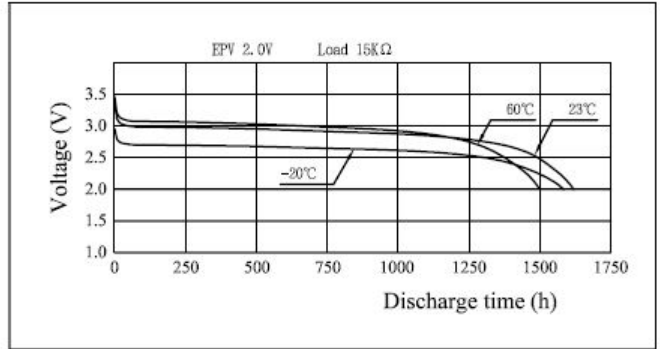
SAFETY

Lithium batteries lodged in the esophagus should be removed immediately. Leakage, chemical burns and potential perforation can occur within hours of ingestion. Seek medical attention immediately. Have physician call the NATIONAL BATTERY INGESTION HOTLINE for advice and follow-up (202-625-3333) collect day or night.

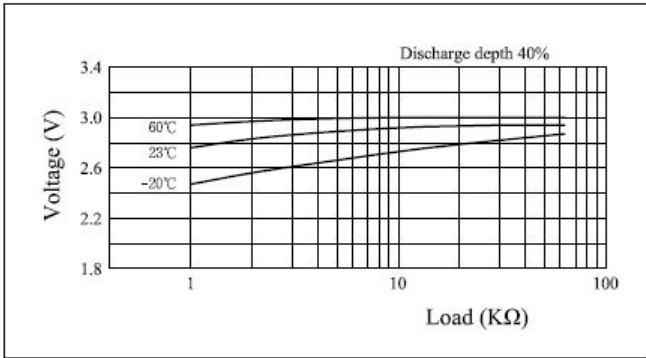
Discharge characteristics



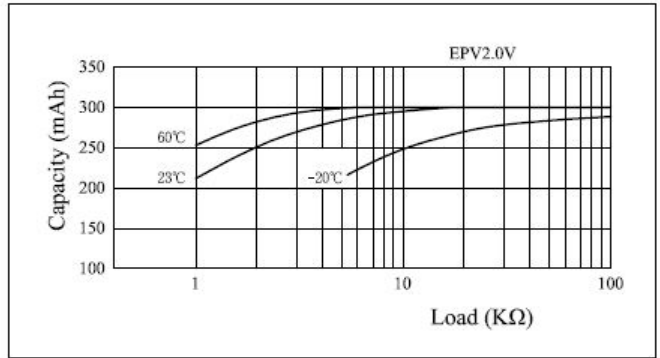
Temperature characteristics



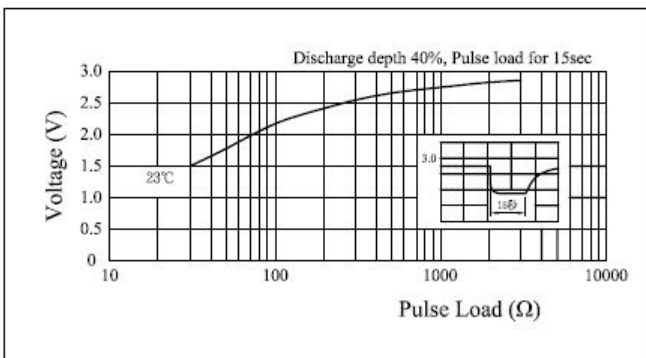
Load vs. Operating voltage



Load vs. Capacity



Pulse discharge characteristics



Storage characteristics

