

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: 75 mAh (to 2.0V)
 Rated at 30kΩ at 20°C.
 Standard Discharge Current: 0.2 mA
 Max. Continuous Discharge Current: .5 mA—Up to 40% of maximum capacity to 2V
 Max. Pulse Discharge Current: 10 mA—15 sec. pulse to 40% of discharge
 Weight Energy Density: 105 mWh/g
 Volume Energy Density: 418 mWh/cc

TEMPERATURE EXPOSURE

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

PHYSICAL CHARACTERISTICS

Maximum Dimensions: Diameter 20.0 mm +0/- 0.3
 Height 1.6 mm +0/- 0.3
 Typical Weight: 2.0 grams (0.071 oz.)
 Typical Lithium Content: 0.019 grams (0.0007 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

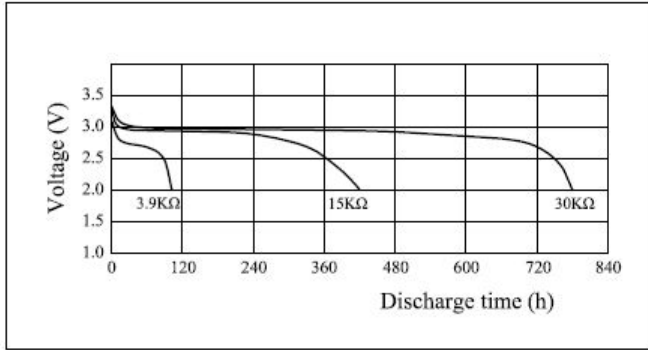
SHIPPING

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)

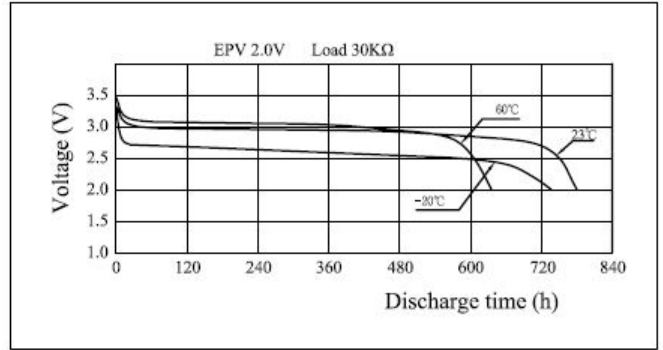
SAFETY

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.

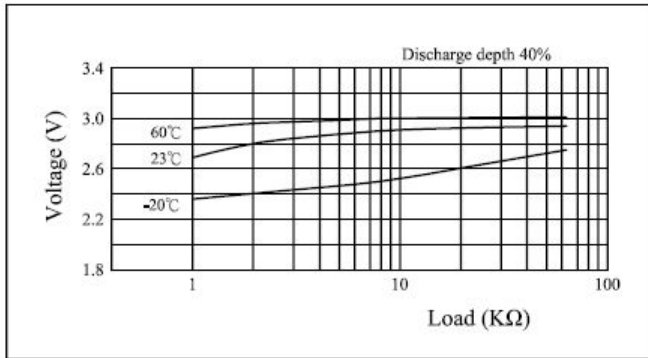
Discharge characteristics



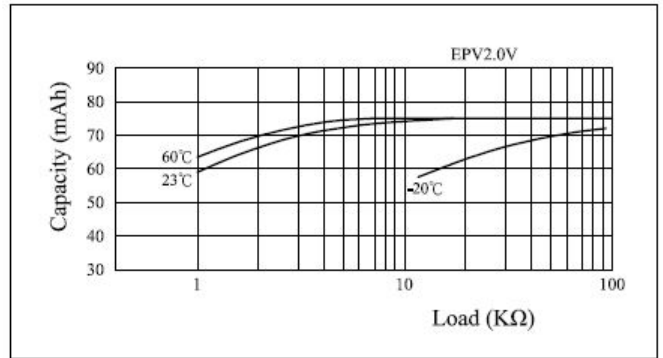
Temperature characteristics



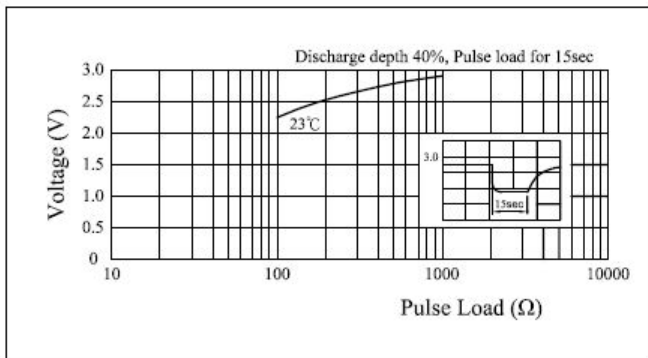
Load vs. Operating voltage



Load vs. Capacity



Pulse discharge characteristics



Storage characteristics

