

**CLASSIFICATION**

Classification: Primary Lithium Coin Cell  
 Chemical Classification: Lithium Manganese Dioxide (LiMnO<sub>2</sub>)

**ELECTRICAL CHARACTERISTICS**

Nominal Voltage: 3.0 Volts  
 Open Circuit Voltage: 3.0 - 3.4 Volts  
 Cut Off Voltage: 2.0 Volts  
 Typical Capacity: 85 mAh (to 2.0V)  
 Rated at 30kΩ at 23°C.  
 Standard Discharge Current: 0.2 mA  
 Max. Continuous Discharge Current: 6 mA—Up to 40% of maximum capacity to 2V  
 Max. Pulse Discharge Current: 20 mA—15 sec. pulse to 40% of discharge  
 Weight Energy Density: 119 mWh/g  
 Volume Energy Density: 474 mWh/cc

**TEMPERATURE EXPOSURE**

Operating Temperature: -30°C to +65°C  
 Storage Temperature: 0°C to 30°C

**PHYSICAL CHARACTERISTICS**

Maximum Dimensions: Diameter 20.0 mm +0/- 0.3  
 Height 1.6 mm +0/- 0.2  
 Typical Weight: 2.0 grams (0.071 oz.)  
 Typical Lithium Content: 0.030 grams (0.0008oz.)

**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

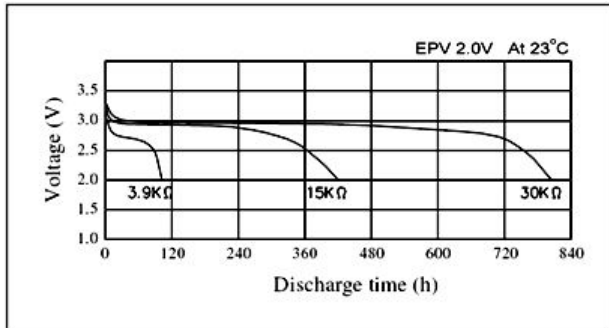
**SHIPPING**

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)

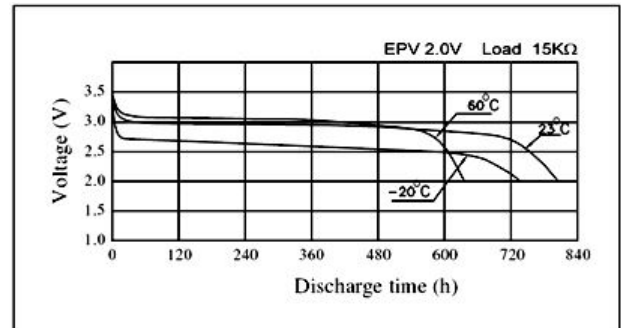
**SAFETY**

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.

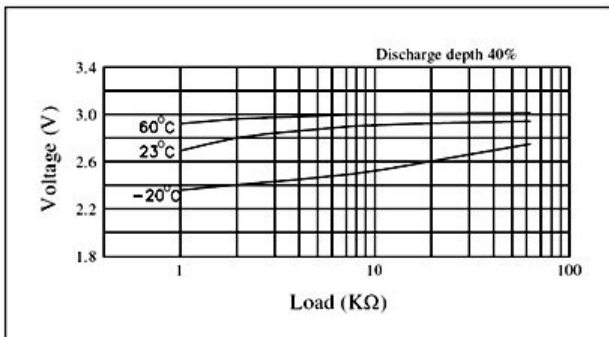
**Discharge Characteristics**



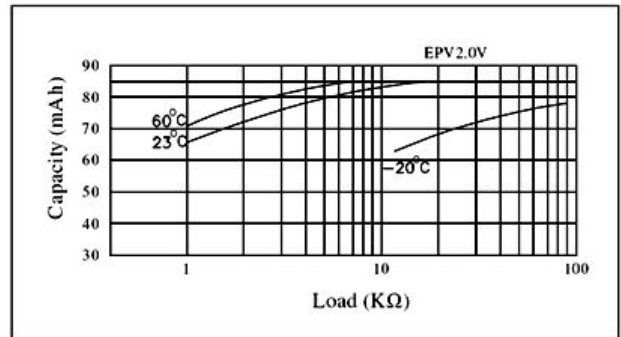
**Temperature Characteristics**



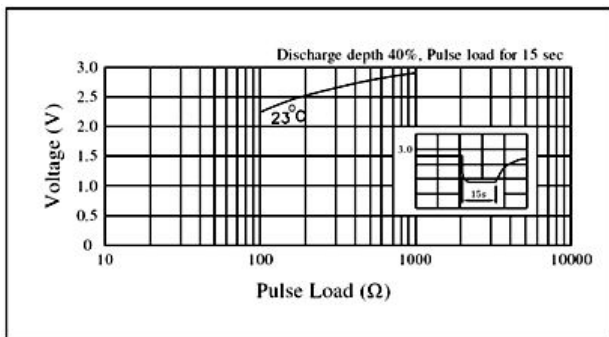
**Load versus Operating Voltage**



**Load versus Capacity**



**Pulse Discharge Characteristics**



**Storage Characteristics**

