

### 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: 500 mAh (to 2.0V)  
 Rated at 7.5kΩ at 23°C.  
 Standard Discharge Current: 0.3 mA  
 Max. Continuous Discharge Current: 1 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: 206 mWh/g  
 Volume Energy Density: 544 mWh/cc

### TEMPERATURE EXPOSURE

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

### PHYSICAL CHARACTERISTICS

Maximum Dimensions: Diameter 30.0 mm +0/- 0.3  
 Height 3.2 mm +0/- 0.3  
 Typical Weight: 6.8 grams (0.2399 oz.)  
 Typical Lithium Content: 0.129 grams (0.0046 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

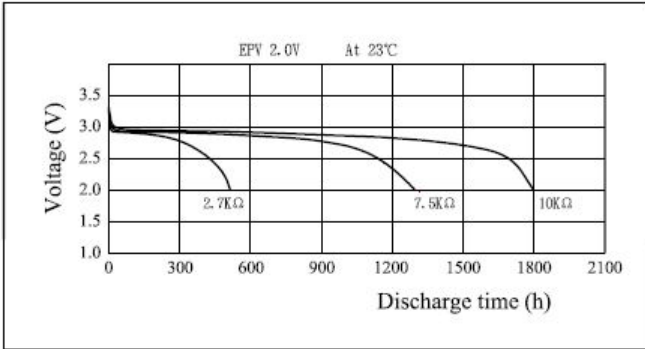
### SHIPPING

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)

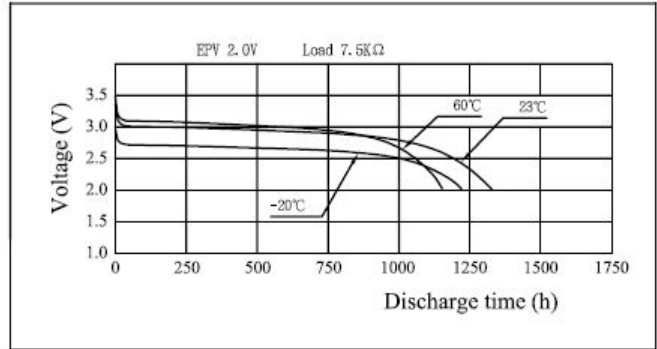
### SAFETY

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.

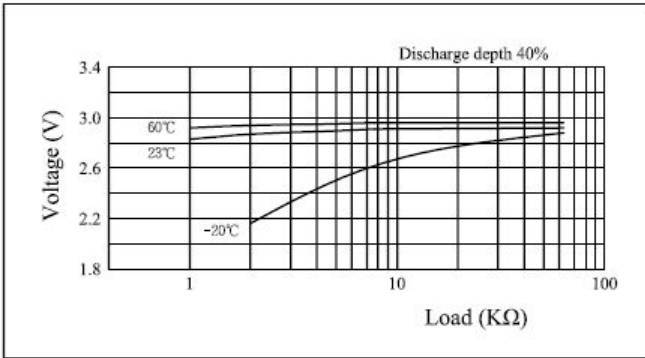
**Discharge characteristics**



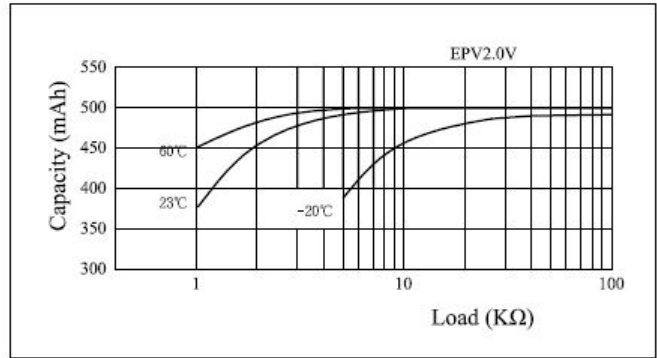
**Temperature characteristics**



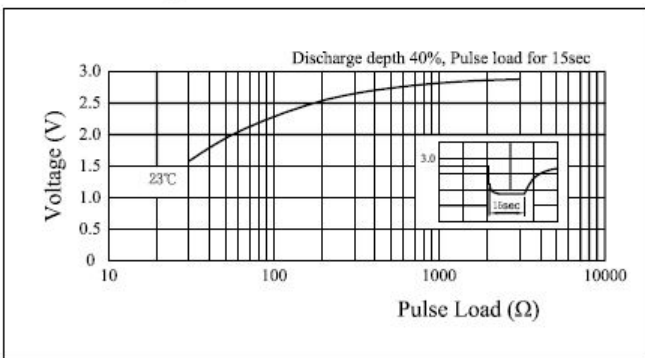
**Load vs. Operating voltage**



**Load vs. Capacity**



**Pulse discharge characteristics**



**Storage characteristics**

