

Unit: mm

Available Terminations	
-/P*	Axial Pin
-/T /PT2*	Radial Pin
-/PT /TP*	Polarized Tab

(\*): Reference to standard terminals for single lithium

### Electrical characteristics

- **Nominal Capacity** ..... 800mAh  
Stored for one year or less at 1mA, 25°C, 2.0V cut-off
- **Rated Voltage** ..... 3.6V
- **Max. Recommended Continuous Current** ..... 20mA  
Current value is determined to be the level at which the nominal capacity is obtained with an end voltage of 2.0V at 25°C
- **Max. Pulse Current** ..... 50mA  
Typically up to 50mA. (50mA/0.1 second pulses, drained every 2 min at +25°C from undischarged cells with 5µA base current, yield voltage readings above 2.7V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions.
- **Storage (Recommended Max. Temperature)** ..... 30°C
- **Operating Temperature Range** ..... -55°C~ +85°C
- **Approximate Weight** ..... 9g

## ER10450 Specification

Primary Lithium Thionyl Chloride  
3.6V, 800mAh

### Key Features

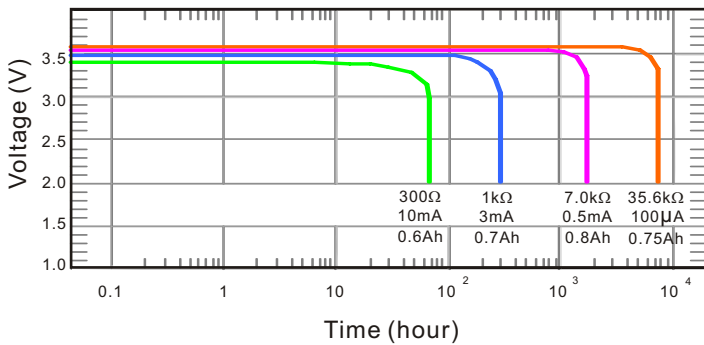
- High and stable operating voltage
- Low self-discharge rate - around 1% after 1 year of storage at +20°C
- Stainless steel container
- Hermetic glass-to-metal sealing
- Compliant with IEC 60086-4 safety standard
- Non-flammable electrolyte

UL Component Recognition  
File Number MH45330

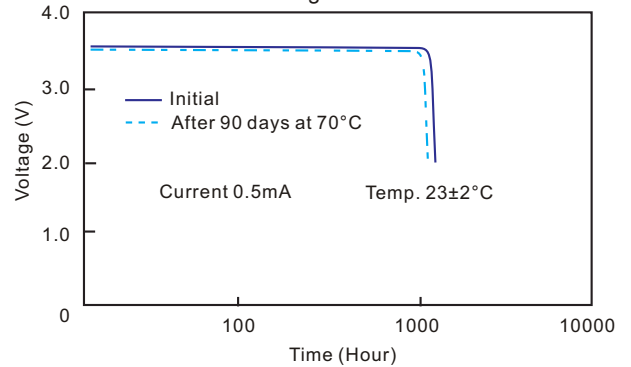
### Main Applications

- Alarm and security devices
- Smoke detectors
- Memory back-up
- Alarm equipment
- Industrial electronics
- Medical equipment etc.

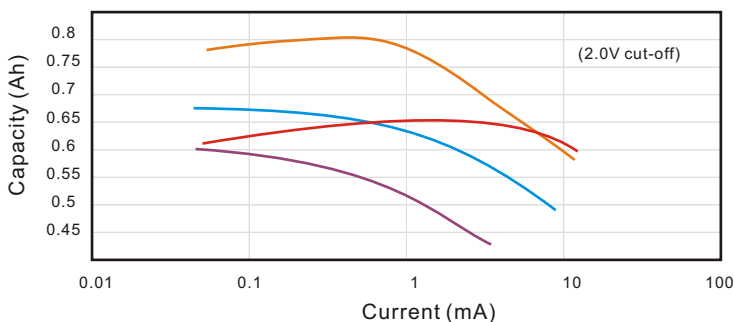
Discharge Characteristics at 23±2°C



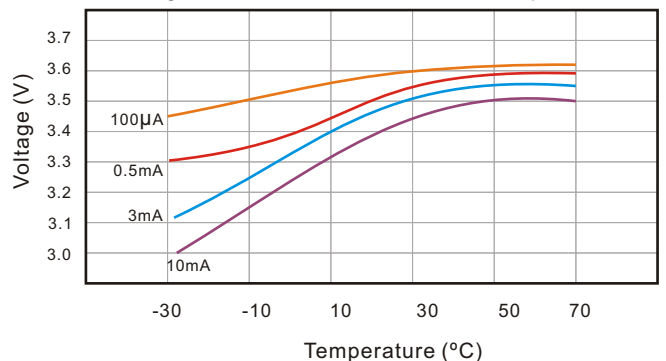
Storage Characteristics



Restored Capacity Versus Current and Temperature



Voltage Plateau Versus Current and Temperature



**WARNING:** Risk of fire and burn. Do not recharge, over-discharge, disassemble, heat above 100°C or incinerate.

\*\*Note: The data in this document are for descriptive purposes only and subject to change without prior notice.