The Source of Electric Power
MINAMOTO®

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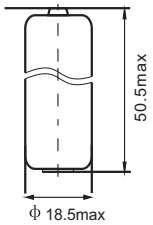
ER18505 Specification

Primary Lithium Thionyl Chloride
3.6V, 4000mAh



Dimensions in 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** 4000mAh
  Stored for one year or less at 2mA, 25°C, 2.0V cut-off
- **Rated Voltage** 3.6V
- **Max. Recommended Continuous Current** 80mA
  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** 150mA
  Typically up to 150mA. (150mA/0.1 second pulses, drained every 2 min at +25°C from undischarged cells with 10μA 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** 29g

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

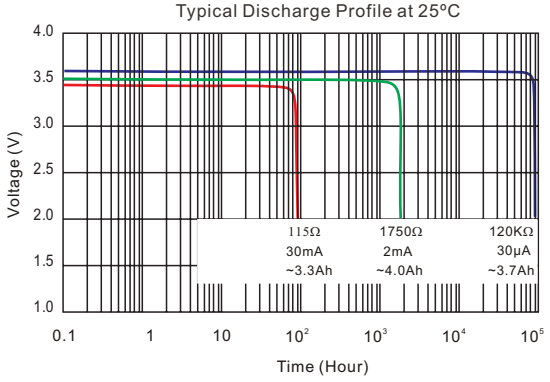
UL Component Recognition
File Number MH45330

Main Applications

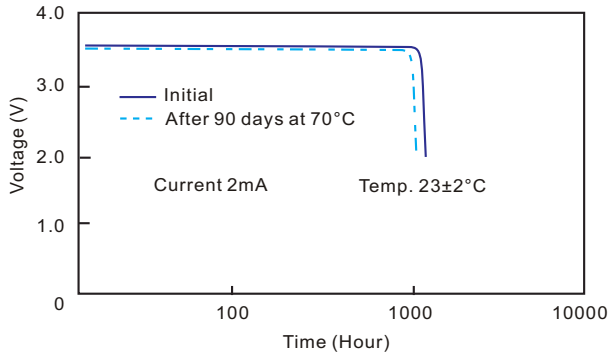
- Alarm and security devices
- Smoke detectors
- Memory back-up
- Alarm equipment
- Industrial electronics
- Medical equipment

etc.

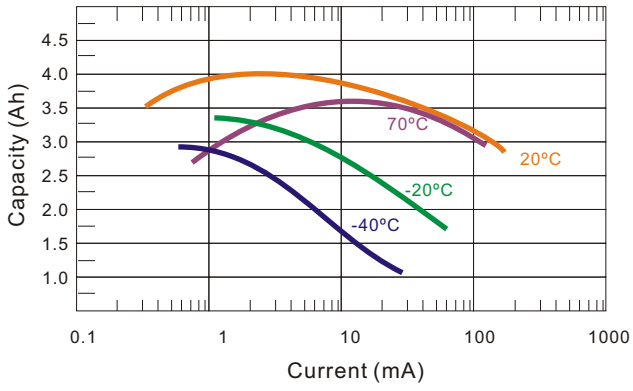
Typical Discharge Profile at 25°C



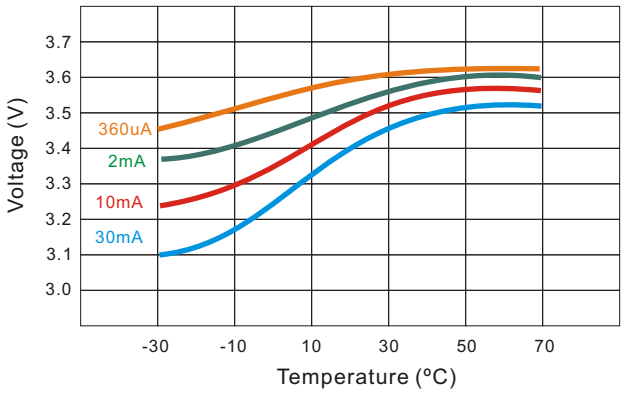
Storage Characteristics



Capacity vs Current



Voltage vs 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.

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