*The Source of Electric Power*

# MINAMOTO®

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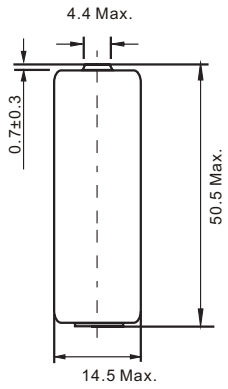
## ER14505 Specification

Primary Lithium Thionyl Chloride
3.6V, 2400mAh


Equivalent Size: AA




Dimension in mm

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

(*): Reference to standard terminals for single lithium

### Key Features

- High and stable operating voltage
- Low self-discharge rate - less than 1% after 1 year of storage at +20°C
- Stainless steel container
- Hermetic glass-to-metal sealing
- Compliant with IEC 86-4 safety standard
- Non-restricted for transport

UL Component Recognition
File Number MH45330

### Main Applications

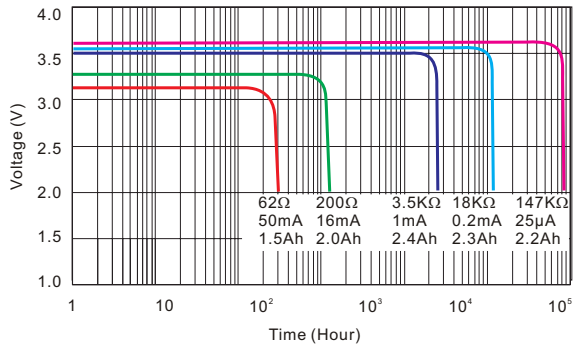
- Alarm and security devices
- Smoke detectors
- Memory back-up
- Alarm equipment
- Industrial electronics
- Medical equipment

etc.

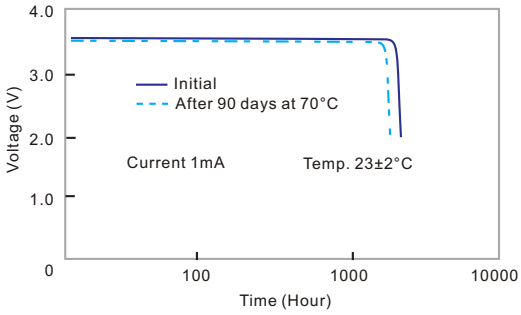
### Electrical characteristics

- **Nominal Capacity** ..... 2400mAh
  Stored for one year or less at 1mA, 20°C, 2.0V cut-off
- **Rated Voltage** ..... 3.6V
- **Max. Recommended Continuous Current** ..... 100mA
  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** ..... 200mA
  Current value is obtaining 2.0V cell voltage when pulse is applied for 15 seconds at 50% discharge depth at 25°C
- **Storage (Recommended Max. Temperature)** ..... 30°C
- **Operating Temperature Range** ..... -55°C~ +85°C
- **Approximate Weight** ..... 19g

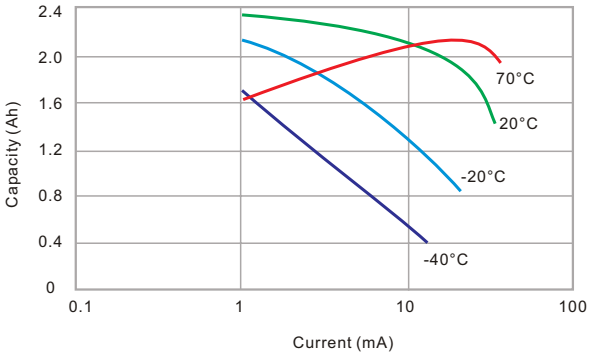
Typical Discharge Profile At 25°C



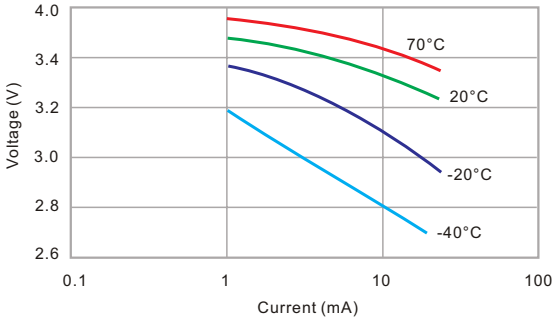

Storage Characteristics




Capacity vs Current vs Temperature




Voltage vs Current vs Temperature




**WARNING:** Risk of fire and burn. Do not recharge, disassemble, heat above 100°C or incinerate. Do not mix fresh batteries with used batteries.

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

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