The Source of Electric Power
MINAMOTO®

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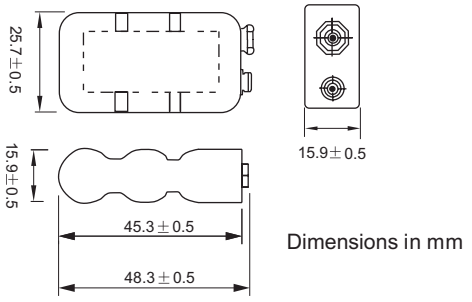
ER9V Specification

Primary Lithium Thionyl Chloride
10.8V, 1200mAh

Equivalent Size: 9V, 6F22

With soft package(package with plastic tube)



Dimensions in mm

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-imflammable electrolyte

UL Component Recognition
File Number MH45330

Main Applications

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

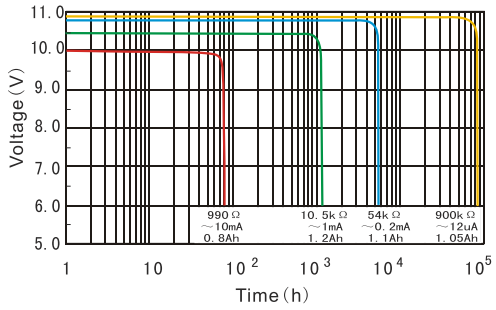
etc.

Electrical characteristics

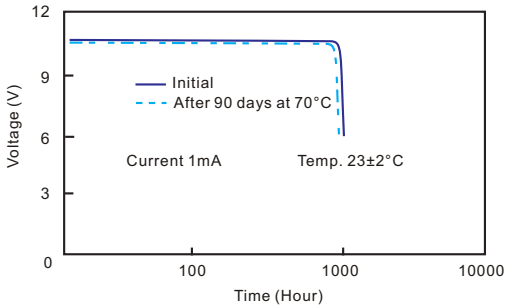
(Typical values for cells stored for one year or less at +25°C)

- **Nominal Capacity** 1200mAh
  Discharged capacity at 1mA, +25°C, 6.0V cut off.
- **Rated Voltage** 10.8V
- **Max. Recommended Continuous Current** 25mA
  Discharged to 6.0V at +25°C permitting 50% of the nominal capacity to be achieved.
- **Max. Pulse Current** 100mA
  100mA, 0.1 second pulses every 2 minutes, drained with 50%, 1mA at 25°C from undischarged cells with 20μA base current, yield voltage readings above 6V, the value may vary according to the pulse characteristics, the temperature and the cell previous history.
- **Storage (Recommended Max. Temperature)** ..... 30°C
  Stored in clean, dry and cool condition.
- **Operating Temperature Range** ..... -55°C~ +85°C
- **Approximate Weight** 31g

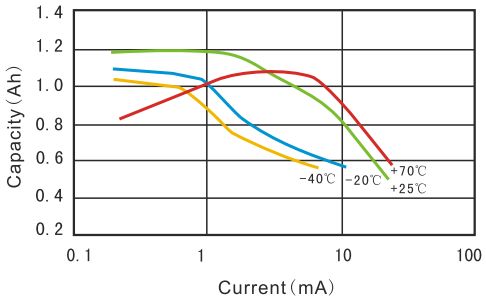
Discharge characteristics at 25℃



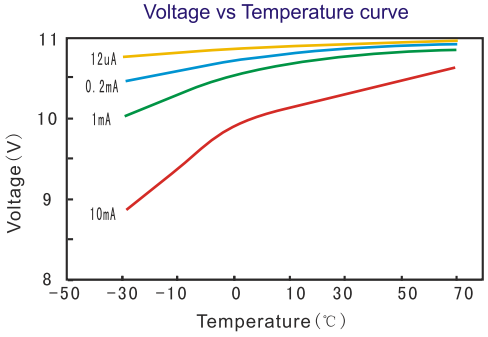
Storage Characteristics



Capacity vs Current curve(cut off with 6.0V)



Voltage vs Temperature curve



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: Any representations in this data sheet concerning performance are for informational purpose only and are not construed as warranties, either expressed or implied, of future performance.

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