



3.6V
Size:1/2AA

**Lithium Thionyl
Chloride Battery**



ERI4250M

SPECIFICATIONS

(Typical data from the batteries stored at 25+5°C for 12 months)

Nominal Capacity (1.0mA ~ 2V) : **1.0Ah**

(At 1.0mA, +25°C cut-off voltage 2.0V.)

Rated Voltage: **3.6V**

Max Constant Current of Discharge: **200mA**

Max Discharge Current (Pulse) : **400mA**

Operating Temperature Range: **-60°C ~ +85°C**

(exceeding the operating temperature range can result in reduced capacity, low voltage reading and low initial pulse voltage reading.)

PHYSICAL PROPERTIES

Diameter (max.): **14.5mm**

Height (Max.): **25.4mm**

Typical Weight: **11g**

S: STANDARD TERMINATION

Notes:

Dimension:mm

Special terminations can be made as requested.

T: Solder tabs

P: Axial pins

Important Notes:

Do not short or charge the battery.

Over-discharging, crushing, incinerating, and disassembling the battery are prohibited.

Do not heat/use the battery beyond the permitted temperature range.

ADVANTAGES

Stable high operating voltage and high capacitance

High energy density, high stable current

Wide operating temperature ranges (-60°C ~ +85°C)

Low self-discharge rate (annual self-discharge rate is less than 1% at +25°C)

Excellent environmental application characteristics

Stainless steel case (low magnetic resistance to environmental erosion)

FEATURES

A positive structure with proprietary technology

Stainless steel - glass airtight package

Non-combustible electrolyte

High short circuit safety

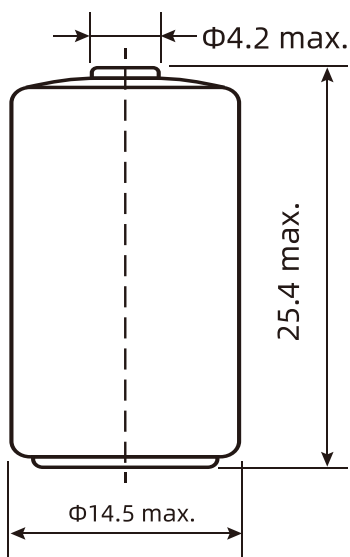
Comply with GB 8897.4-2008 technical requirements

Meet technical requirements of IEC60086.4:2014

Warning: Do not charge, short circuit, heat more than 85°C, decompose, put into water, directly in the battery shell surface welding, otherwise may cause explosion, combustion and internal acid leakage of the battery.

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Size unit :mm

(GB1804-m if tolerance is not specified)
For special connection requests, please consult POWERSTABILITY

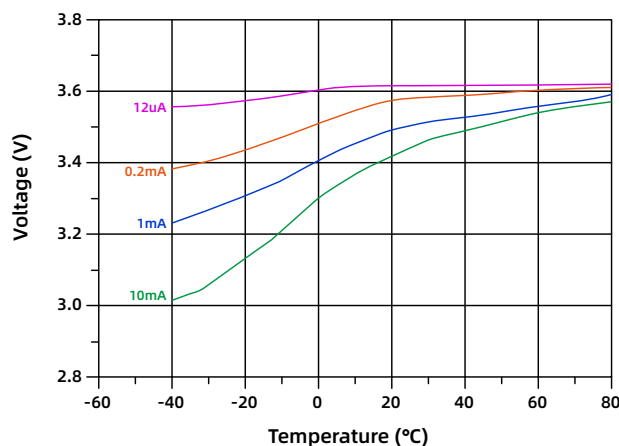
WARNING

- Do not short out the battery
- Do not charge the battery
- Don't pin the batter
- Do not squeeze the battery
- Pay attention to the battery anode and cathode
- Electrical equipment connection is correct
- Do not disassemble the battery
- Do not burn batteries
- Do not mix old and new batteries
- Do not heat the battery to more than 85°C
- Do not directly weld the battery
- Please use a battery with pre-welded pins or wires.

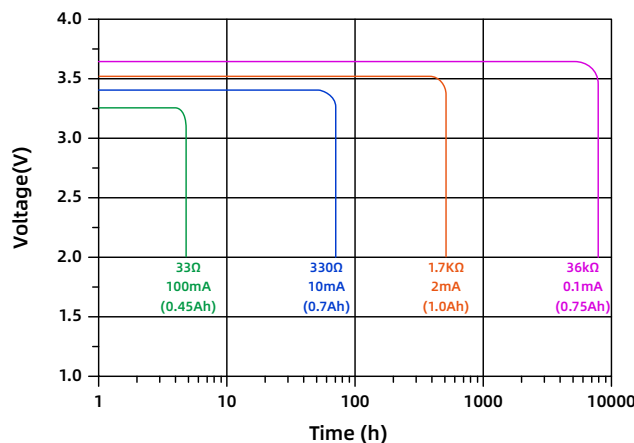
Notice:

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1. Room temperature load characteristics



2. Characteristics of Capacity/Current/ Temperature Relationship



3. Capacity vs Current

