

LITHIUM BATTERY

Primary lithium batteries ER17335M

**3.6V Primary lithium-thionyl chloride
(Li-SOCl₂) Power type
A-size spiral cell**

For high drain/high pulses applications requesting superior voltage response in -55°C~+85°C environments.

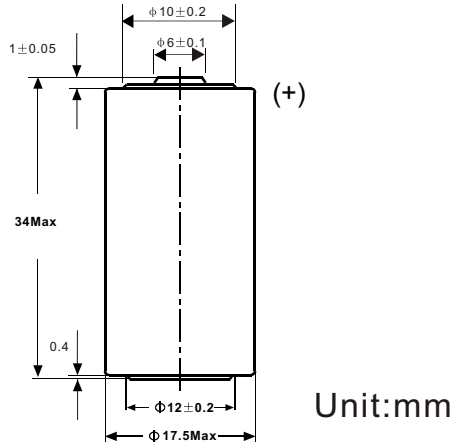
Cell size references

(2/3 A)

| | |
|--|---|
| Electrical characteristics (typical values relative to cells stored for one year or less at +30°C max.) | |
| Nominal capacity (at 5 mA +20°C 2.0V cut off. The capacity resbred by the cell varies according to current drain, temperature and cut off). | 1.7Ah |
| Open circuit voltage (at +20°C) | 3.66V |
| Nominal voltage (at 5mA +20°C) | 3.6V |
| Pulse capability: Typically up to 1000 mA (1000 mA/0.1 second pulses, drained every 2 mn at +20°C from undischarged cells with 10 μ A base current, yield voltage readings above 3.0V. The readings may vary accoding to the pulse characteristics, the temperature, and the cell' s previous history. Fitting the cell with a capacitor may be recommended in severe conditions. Consult pbq) | |
| Max. Continuous current | 500mA |
| Max. Pulse current | 1000mA |
| Storage (recommended) (for more severe conditions, consult pbq) | +30°C max |
| Operating temperature range (Operation above ambient T may lead to reduced capacity and lower voltage readings at the begining of pulses. Consult pbq) | -55°C / +85°C |
| Physical characteristics | |
| Diameter (max) | 17.5mm(0.67 in) |
| Height (max) | 33.5mm(0.6 in) |
| Typical weight | 19g(0.6oz) |
| Available termination suffix | radial tabs, radial pins, axial leads, flying leads |

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Key features

- ▶ High and stable operating voltage
- ▶ Superior drain capability
- ▶ Low self-discharge rate (less than 1% after 1 year of storage at +20°C)
- ▶ Hermetic glass-to-metal sealing
- ▶ Notch technology for safety vent
- ▶ Non-flammable electrolyte
- ▶ Finished product with PTC to avoid short-circuit

Main applications

- ▶ Radiocommunication and other military applications
- ▶ Alarms and security systems
- ▶ Beacons and emergency location transmitters
- ▶ GPS
- ▶ Metering systems
- ▶ Sonobuoys
- ▶ LED lighting applications
- ▶ Others

Storage

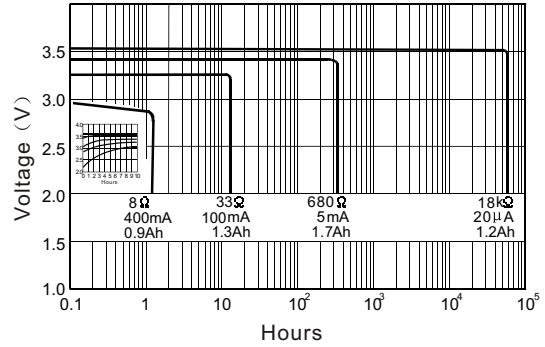
- ▶ The storage area should be clean, cool (not exceeding +30°C), dry and ventilated.

Warning

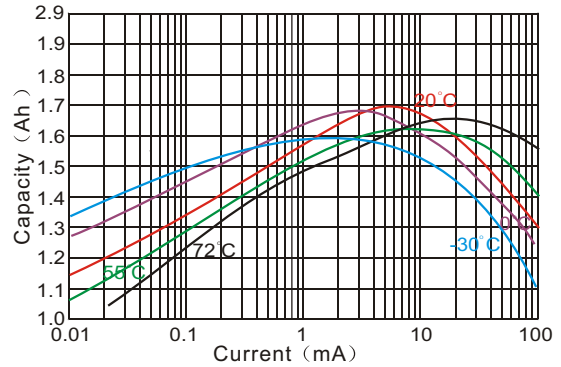
- ▶ Do not use if the battery casing was mangled.
- ▶ Don't use different models of battery in series.
- ▶ Do not try to recharge.

Characteristic curves

Discharge performance (25°C)



Capacity VS Current



Voltage VS Temperature

