

## LITHIUM BATTERY

### Primary lithium batteries ER26500M

3.6V Primary lithium-thionyl chloride  
(Li-SOCl<sub>2</sub>) Power type  
C-size spiral cell

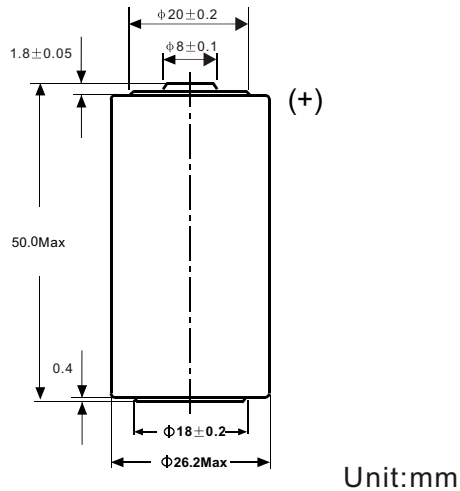
For high drain/high pulses  
applications requesting superior  
voltage response in -55°C~+85°C  
environments.

#### Cell size references ( C )

|  |  |
|--|--|
| Electrical characteristics<br>(typical values relative to cells stored for one year or less at +30°C max.)   |  |
| Nominal capacity<br>(at 2mA +20°C 2.0V cut off. The capacity resbred by the cell varies<br>according to current drain, temperature and cut off).   | 6.5Ah  |
| Open circuit voltage (at +20°C)  | 3.66V  |
| Nominal voltage (at 2mA +20°C)   | 3.6V   |
| Pulse capability: Typically up to 400 mA (400 mA/0.1 second pulses,<br>drained every 2 mn at +20°C from undischarged cells with 10 μ A base<br>current, yield voltage readings above 3.0V. The readings may vary accoeding<br>to the pulse characteristics, the temperature, and the cell' s previous history.<br>Fitting the cell with a capacitor may be recommended in severe conditions.<br>Consult pbq) |  |
| Max. Continuous current  | 1000mA   |
| Max. Pulse current   | 1500mA   |
| Storage (recommended)<br>(for more severe conditions, consult pbq)   | +30°C max  |
| Operating temperature range<br>(Operation above ambient T may lead to reduced capacity and<br>lower voltage readings at the begining of pulses. Consult pbq)   | -55°C / +85°C                                      |
| Physical characteristics   |  |
| Diameter (max)   | 26.2mm(1.02 in)                                    |
| Height (max)   | 50mm(1.98 in)                                      |
| Typical weight   | 55g(1.8oz)   |
| Available termination suffix   | radial tabs, radial pins, axid leads, flying leads |

# LITHIUM BATTERY

## ER26500M



### 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

