Primary lithium-thionyl chloride (Li-SOCl₂)

**ER18505**

### Key Features
- High and stable operating voltage
- Low self-discharge rate (less than 2% after 1 year of storage at +20°C)
- Wide operating temperature range (-55°C ~ +85°C) (131°F ~ +185°F)
- Stainless steel container and cap
- Hermetic glass-to-metal sealing
- RoHS compliant

### Main Applications
- Utility metering
- Alarms and security devices
- Memory back-up
- Tracking systems
- Automotive electronics
- Professional electronics

### Typical Electrical Characteristics
- **Nominal Voltage**: 3.6V
- **Nominal Capacity**: 4100mAh
- **Max. Recommended Continuous Current**: 100mA
- **Max. Pulse Current**: 200mA/0.1second pulses, drained every 2 min at +23°C from undischarged cells with 10μA base current, yield voltage readings above 3.0V. The readings may vary according 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 GREEN ENERGY.

### Storage (Recommended)
- +20°C ~ +25°C

### Operating Temperature Range
- -55°C ~ +85°C

### Physical Specifications
- **Diameter**: Max. 18.5mm
- **Height**: Max. 51mm
- **Typical Weight**: Approx. 32g
- **Li Metal Content**: Approx. 1.05g

Note: Information above just for your reference, more details please contact Green Energy Battery Co., Ltd.
Performance

Typical discharge characteristic at 23°C

Voltage vs Temperature

Capacity vs Current

Available Terminations
- Tag1 (radial tabs)
- 2P, 3P, 3P-RP, 3P-S, 3P-S-RP (radial pins)
- AX (axial leads)
- Connector, Flying Leads...etc.

Warnings
- Fire, explosion and burn hazard.
- Do not recharge, short circuit, crush, disassemble, heat above 100°C (212°F), incinerate, or expose contents to water.
- Do not solder directly to the cell (use tabbed cell versions instead).
- Do not overdischarge, end voltage is 2.0V.

Storage
- The storage area should be clean, cool (preferably not exceeding +25°C), dry and ventilated.

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