MODEL ER14250C
Lithium Thionyl Chloride
(Li-SOCl2) Battery
(International size reference: 1/2AA, ER14250C)

ELECTRICAL CHARACTERISTICS
(typical values for cells stored for one year or less, at 25°C)

- **Nominal capacity**: 1.20 Ah
  (at 0.5 mA, +25°C, 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off voltage.)

- **Rated voltage**: 3.6 V

- **Maximum recommended continuous current**: 15 mA
  (to get 50% of the nominal capacity at +25°C with 2.0V cut off. Higher currents possible. Consult Omnicel.)

- **Pulse capability**: varies according to pulse characteristics (frequency and duration), temperature, cell history (storage conditions prior to usage) and the application’s acceptable minimum voltage.

- **Maximum pulse current capability**: 50 mA
- **Rated 1 sec. pulse capability (to 3V)**: 20 mA

- **Storage** (recommended): 30°C max
- **(possible without leakage)**: -55° / +120°C

- **Operating temperature range**: -55° / +85°C
  (Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)

**WARNING:**
Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 212°F (100°C), incinerate, or expose contents to water.

**KEY FEATURES**
- High and stable operating voltage
- High minimum voltage during pulsing
- Low self discharge rate (less than 1% after 1 year of storage at +25°C)
- Stainless steel container
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- Compliant with IEC 86-4 safety standard and EN 50020 intrinsic safety
- Non restricted for transport
- Underwriters Laboratories (UL) Component Recognition (File Number MH 47566)

**MAIN APPLICATIONS**
- Utility metering
- Alarms and security devices
- Memory back-up
- Tracking systems
- Automotive electronics
- Professional electronics ... etc.

**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.
**DISCHARGE CHARACTERISTICS@ +25°C**

![Graph of Discharge Characteristics]

**VOLTAGE VS. TEMPERATURE**

![Graph of Voltage vs. Temperature]

**CAPACITY VS. CURRENT**

![Graph of Capacity vs. Current]

**AVAILABLE TERMINATIONS**
- Suffix – /S Standard
- Suffix – /T Solder Tabs
- Suffix – /P Axial Pins
- Suffix – /2PT Polarized Tabs
- Suffix – /3TP Polarized Tabs
- Suffix – /3PT Polarized Tabs
- Suffix – /3PF Polarized Tabs
- Suffix – /3FP Polarized Tabs
- Suffix – /4PF Polarized Tabs

**PHYSICAL CHARACTERISTICS**
- Diameter (max) 14.5 mm (0.571")
- Height (max) 25.4 mm (0.992")
- Typical weight 10 g (0.353 oz)

**STORAGE CHARACTERISTICS**
- Discharge current: 0.5mA Temperature: 25°C

![Graph of Storage Characteristics]

Latest version can be downloaded from the OmniCel website

www.omnicel.com
800.332.2436