MODEL ER14505
Lithium Thionyl Chloride (Li-SOCl₂) Battery
(International size reference: AA, ER14505)

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

- **Nominal capacity** 2.40Ah
  (at 2.0 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** 100 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** 200 mA
  Rated 1 sec. pulse capability (to 3V) 60 mA

- **Storage** (recommended)
  (possible without leakage) 30°C max
  -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.

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 showing discharge characteristics over time](image)

**VOLTAGE VS. TEMPERATURE**

![Graph showing voltage vs. temperature](image)

**CAPACITY VS. CURRENT**

![Graph showing capacity vs. current](image)

**PHYSICAL CHARACTERISTICS**

- Diameter (max): 14.5 mm (0.571")
- Height (max): 50.5 mm (1.99")
- Typical weight: 19 g (0.670 oz)

**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-/4PF: Polarized Tabs

**STORAGE CHARACTERISTICS**

Discharge current: 2.0mA  Temperature: 25°C

Stored for 200 days at 60°C

(*Equivalent to storage at 25°C for 10 years*)

**OmniCel**

www.omnicel.com
800.332.2436

Latest version can be downloaded from the OmniCel website

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