



MODEL EF651625
Lithium Thionyl Chloride
(Li-SOCl₂) Battery


(International size reference: LTC-7PN, EF651625)

ELECTRICAL CHARACTERISTICS

(Typical values for cells stored for one year or less, at +25°C)

<p>■ Nominal capacity (At 1.0 mA, +25°C, 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off voltage.)</p>	0.75Ah
<p>■ Nominal voltage</p>	3.6 V
<p>■ Maximum recommended continuous current (To get 50% of the nominal capacity at +25°C with 2.0V cut off. Higher currents possible, consult OmniCel.)</p>	10 mA
<p>■ Maximum pulse capability Rated 1 sec. pulse capability (to 3V) 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.</p>	30 mA 15 mA
<p>■ Storage (Recommended) (For more severe condition consult OmniCel)</p>	+30°C max.
<p>■ Operating temperature range (Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)</p>	-60° / +85°C

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
- ✓ Non-restricted for transport
- ✓ Compliant with IEC 60086-4 safety standard and EN 60079-11 intrinsic safety standard
-  Underwriters Laboratories (UL) Component Recognition (File Number MH 28717)

MAIN APPLICATIONS

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

 **WARNING:**

Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 212°F (100°C), incinerate, or expose contents to water. Do not solder directly to the cell, use tabbed cell instead.