TECHNICAL SPECIFICATION ER2450T





MODEL ER2450T Lithium Thionyl Chloride (Li-SOCI2) Battery

ELECTRICAL CHARACTERISTICS

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

Nominal capacity	550 mAh
(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.)

– 1	Nominal voltage	3.6 V
((Maximum recommended continuous current To get 50% of the nominal capacity at +25°C with 2.0V cut off. Higher currents possible, consult OmniCel)	5 mA
_	Maximum pulse current	20 mA
9	Storage temperature range (Recommended) (For more severe condition consult OmniCel)	<+30°C

 Operating temperature range (Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)

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
- SUnderwriters Laboratories (UL) Component Recognition (File Number MH 28717)

MAIN APPLICATIONS

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

WARNING:

Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 212°F (125°C), incinerate, or expose contents to water. Do not solder directly to the cell, use tabbed cell instead.

Note: Information in this document is subject to change without notice. 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.









Physical Characteristics		
Diameter (max)	24.3 mm (0.957")	
Height (max)	6.2 mm (0.244″)	
Typical weight	9 g (0.317oz)	
Lithium content	0.14 g (0.003oz)	



OmniCel

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