TECHNICAL SPECIFICATION ER32L100

OmniCel

MODEL ER32L100
Lithium Thionyl Chloride
($Li\text{-}SOCl_2$) Battery
(International size reference: 1/6D, ER32L100)

ELECTRICAL CHARACTERISTICS

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

- **Nominal capacity** **1.70Ah**
  (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.)

- **Nominal voltage** **3.6 V**

- **Maximum recommended continuous current** **10 mA**
  (To get 50% of the nominal capacity at +25°C with 2.0V cut off. Higher currents possible, consult OmniCel.)

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

- **Storage** (Recommended) **+30°C max.**
  (For more severe condition contact OmniCel)

- **Operating temperature range** **-60°C / +85°C**
  (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 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.