ER32L100

Lithium-thionyl Chloride
($Li-SOCl_2$) Battery

International size reference: 1/6D

ELECTRICAL CHARACTERISTICS

(typical values for cells stored for one year or less, at 25℃)

Nominal capacity 1.70Ah

(At 1.0 mA, +25℃, 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off voltage.)

Nominal voltage 3.6V

Maximum recommended continuous current 10mA

(To get 50% of the nominal capacity at +25℃ with 2.0V cut off. Higher currents possible, consult EVE.)

Maximum pulse current capability 50mA

Rated 1 sec. pulse capability(to 3V) 20mA

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℃ max

(for more severe condition consult EVE)

Operating temperature range -55℃ / +85℃

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

Typical weight 24g

KEY FEATURES

- ✔ High and stable operating voltage
- ✔ High minimum voltage during pulsing
- ✔ Low self discharge rate (less than 1% after1 year of storage at+25℃)
- ✔ Stainless steel container
- ✔ Hermetic glass-to-metal sealing
- ✔ Non-flammable electrolyte
- ✔ Non-restricted for transport
- ✔ Compliant with IEC 86-4 safety standard and EN 50020 intrinsic safety
- Underwriters Laboratories (UL) Component Recognition (File Number MH28717)

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 100℃, incinerate, or expose contents to water.

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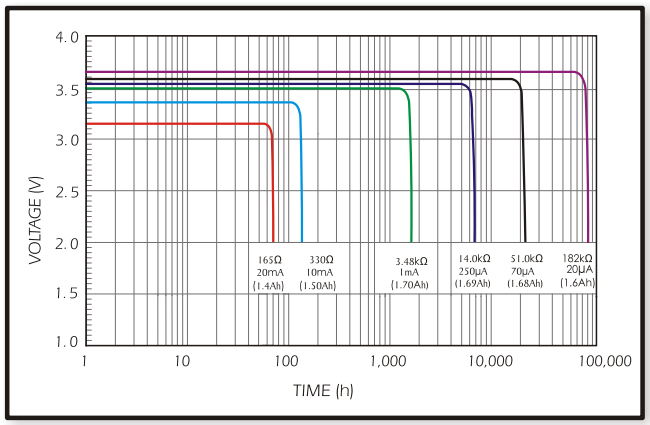
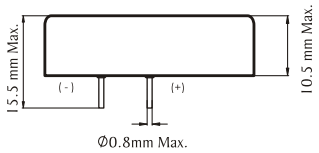
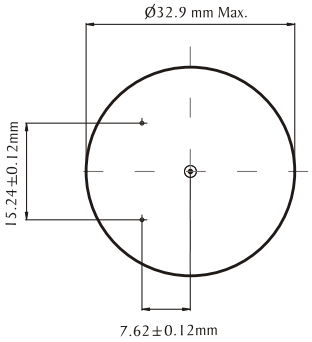
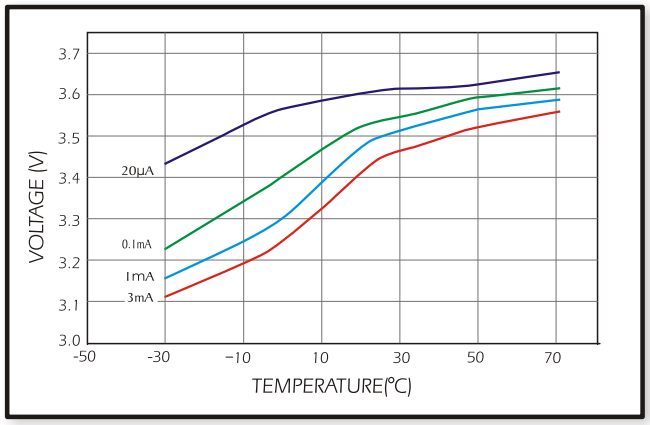
1.DISCHARGE CHARACTERISTICS@+25℃







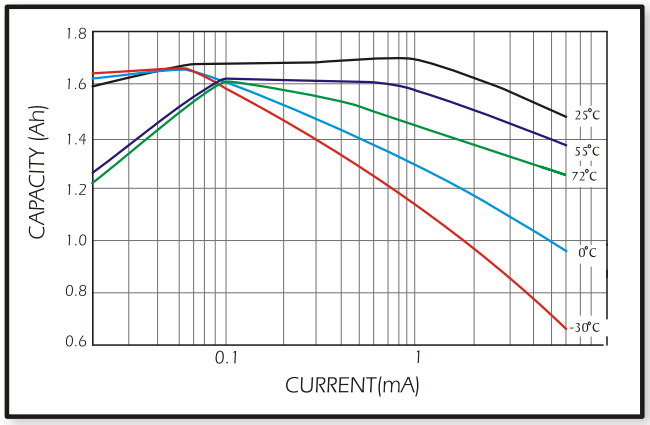
2. VOLTAGE VS. TEMPERATURE



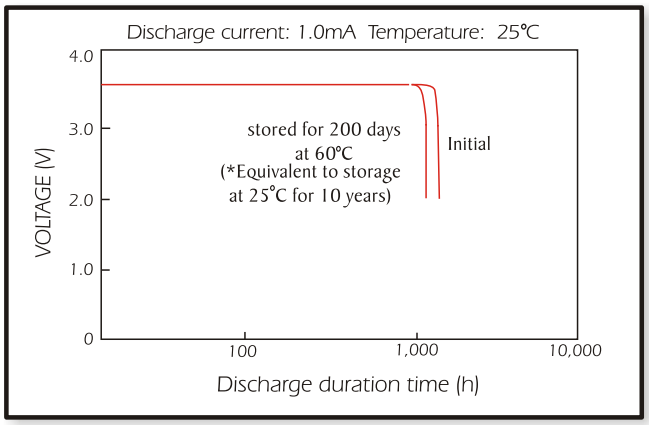
AVAILABLE TERMINATIONS

Suffix-/P *Tinned Nickel Pins*

3. CAPACITY VS. CURRENT



4. STORAGE CHARACTERISTICS



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