



**MODEL: ER22G68**  
**Lithium Thionyl Chloride**  
**(Li-SOCl<sub>2</sub>) Battery**

**ELECTRICAL CHARACTERISTICS**

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

<p>■ <b>Nominal capacity</b></p> <p>(at 0.5 mA, +25°C, 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off voltage.)</p>	0.40 Ah
<p>■ <b>Rated voltage</b></p>	3.6 V
<p>■ <b>Maximum recommended continuous current</b></p> <p>(To get 50% of the nominal capacity at +25°C with 2.0V cut off. Higher currents possible. Consult OmniCel.)</p>	5 mA
<p>■ <b>Maximum pulse current capability</b></p> <p><b>Rated 1 sec. pulse capability(to 3V)</b></p> <p>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>	20mA 10mA
<p>■ <b>Storage</b> (recommended)</p> <p>(for more severe condition consult OmniCel.)</p>	30°C max
<p>■ <b>Operating temperature range</b></p> <p>(Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)</p>	-55°C / +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 86-4 safety standard and EN 50020 intrinsic safety

Underwriters Laboratories (UL)  
 Component Recognition  
 (File Number MH28717)

**MAIN APPLICATIONS**

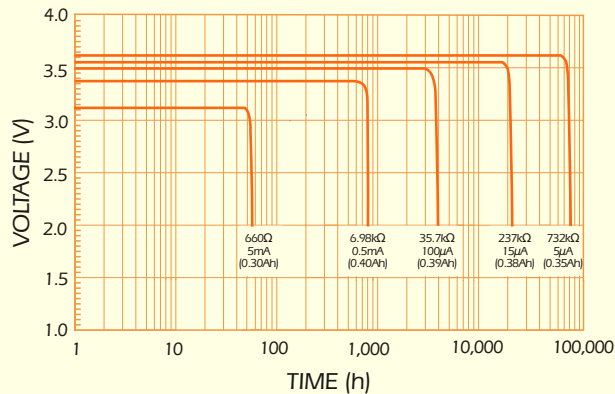
- ✓ Utility metering
- ✓ Alarms and security devices
- ✓ Memory back-up
- ✓ Tracking systems
- ✓ Automotive electronics
- ✓ Professional electronics ... etc.

**WARNING:**

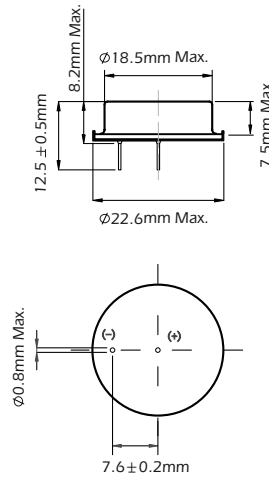
Fire, explosion and severe burn hazard. Do not recharge, crush, disassemble, heat above 212°F (100°C), incinerate, or expose contents to water.

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



## ER22G68

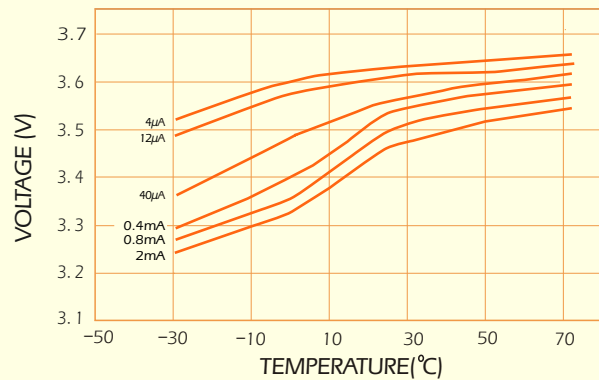


## AVAILABLE TERMINATIONS

Suffix -/P

Tinned Nickel Pins

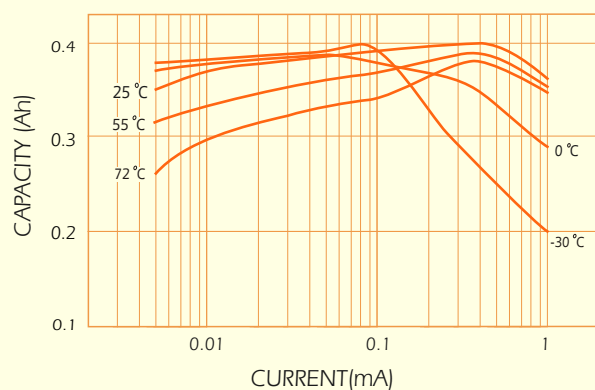
## VOLTAGE VS. TEMPERATURE



## PHYSICAL CHARACTERISTICS

- Diameter (max) 22.6 mm (0.886")
- Height (max) 7.5 mm (0.295")
- Typical weight 6 g (0.212oz)

## CAPACITY VS. CURRENT



## STORAGE CHARACTERISTICS

