



MODEL ER341245
Lithium Thionyl Chloride
(Li-SOCl₂) Battery

(International size reference: DD, ER341245)

ELECTRICAL CHARACTERISTICS

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

<p>■ Nominal capacity (at 10.0 mA, +25°C, 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off voltage.)</p>	<p>35Ah</p>
<p>■ Rated voltage</p>	<p>3.6 V</p>
<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>	<p>420 mA</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>	
<p>■ Maximum pulse current capability Rated 1 sec. pulse capability (to 3V)</p>	<p>500 mA 200 mA</p>
<p>■ Storage (recommended) (possible without leakage)</p>	<p>30°C max -55° / +120°C</p>
<p>■ Operating temperature range (Operation at temperature different from ambient may lead to reduced capacity and lower voltage plateau readings.)</p>	<p>-55° / +85°C</p>

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

KEY FEATURES

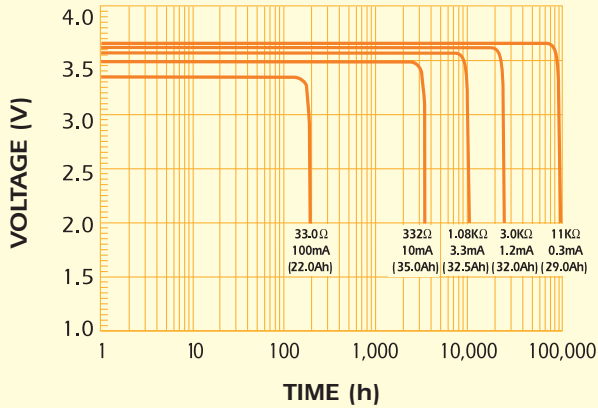
- ✓ High and stable operating voltage
- ✓ High minimum voltage during pulsing
- ✓ Low self discharge rate (less than 1% after 1 year of storage at +25°C)
- ✓ Stainless steel container
- ✓ Hermetic glass-to-metal sealing
- ✓ Non-flammable electrolyte
- ✓ Compliant with IEC 86-4 safety standard and EN 50020 intrinsic safety
- ⚠ Underwriters Laboratories (UL) Component Recognition (File Number MH 47566)

MAIN APPLICATIONS

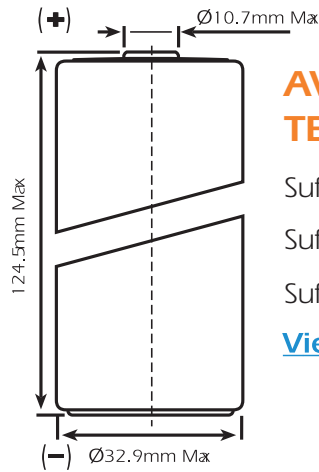
- ✓ Utility metering
- ✓ Alarms and security devices
- ✓ Memory back-up
- ✓ Tracking systems
- ✓ Automotive electronics
- ✓ Professional electronics ... etc.

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



ER341245

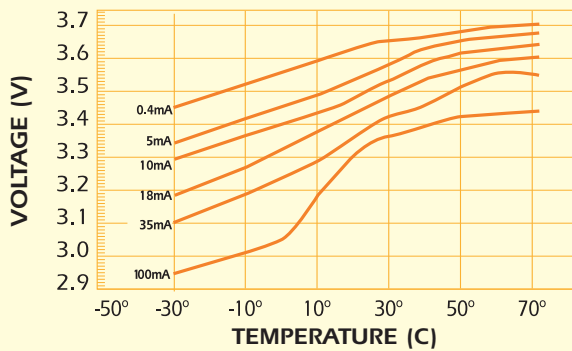


AVAILABLE TERMINATIONS

Suffix -/S	Standard
Suffix -/T	Solder Tabs
Suffix -/W	Wire Leads

[View available terminations](#)

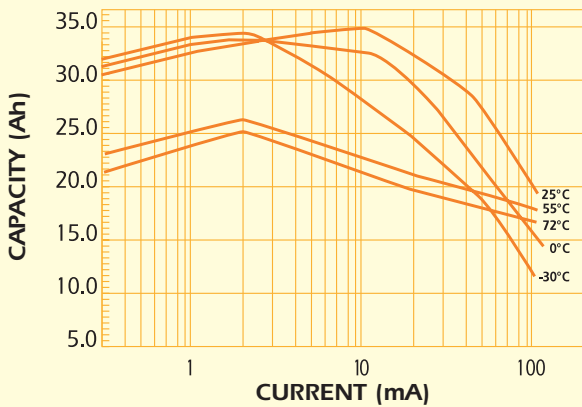
VOLTAGE VS. TEMPERATURE



PHYSICAL CHARACTERISTICS

■ Diameter (max)	32.9 mm (0.571")
■ Height (max)	124.5 mm (0.571")
■ Typical weight	195 g (6.878oz)

CAPACITY VS. CURRENT



STORAGE CHARACTERISTICS

