

LITHIUM THIONYL CHLORIDE CELL

Technical Overview

Open Circuit Voltage (25°C)	3.67 V
Rated Discharge Current	30 mA
Rated Capacity	8.5 Ah
Maximum Current to Achieve 100% Capacity	150 mA
Cell Diameter (nominal)	25.4 mm (1.0 in.)
Cell Length (nominal)	76.2 mm (3.0 in.)
Cell Weight	77.7 g
Lithium Weight	3.0 g
Self Discharge	2% per year at 25°C
Operating Temperature	-40°C to +165°C
	-40°F to +329°F

Key Features:

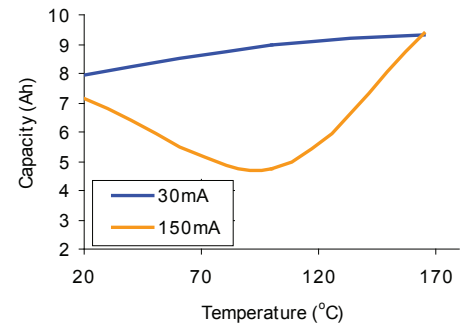
- Primary chemistry (non-rechargeable)
- Low rate capability
- Bobbin style construction
- Stainless steel container
- Hermetic glass-to-metal sealing
- Wide operating temperature range as low as -40°C and up to +165°C
- Low self discharge rate (2% per year at 25°C)
- Restricted for transportation (Class 9)
- Custom terminations available

Main Applications:

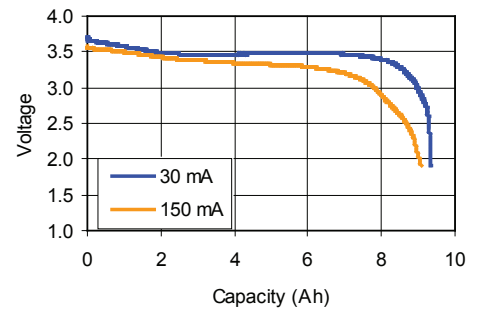
- Memory back-up
- Animal telemetry
- Low current downhole oil and gas

NOTE: This list does not include all potential applications, please consult Electrochem for your specific application needs.

Capacity as a function of current and temperature



165°C discharge



NOTICE: The information on this datasheet is for single cells only. Please consult with Electrochem if you are interested in additional information. The information in this document is subject to change without notice and does not constitute a warranty of performance.