

LITHIUM THIONYL CHLORIDE CELL

Technical Overview

Open Circuit Voltage (25°C)	3.67 V
Rated Discharge Current	68 mA
Rated Capacity	5.9 Ah
Maximum Continuous Current	100 mA
Cell Diameter (nominal)	20.6 mm
Cell Length (nominal)	101.6 mm
Cell Weight	80.0 g
Lithium Weight	4.2 g
Self Discharge	2% per year at 25°C
Operating Temperature	+70°C to +200°C
	+158°F to +392°F

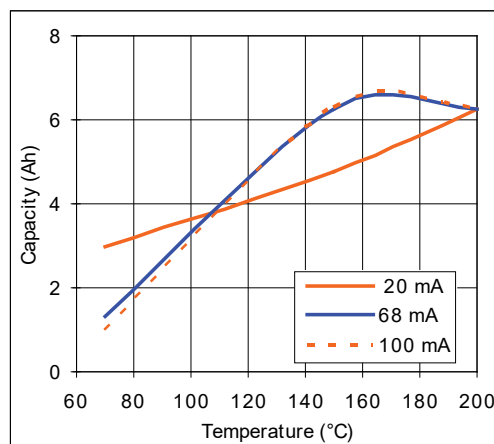
Key Features:

- Primary chemistry (non-rechargeable)
- Moderate rate capability
- Stainless steel container
- Hermetic glass-to-metal sealing
- Built to withstand extreme shock and vibration
- Wide operating temperature range as low as +70°C and up to +200°C
- Low self discharge rate (2% per year at 25°C)
- Restricted for transportation (Class 9)
- Custom terminations available

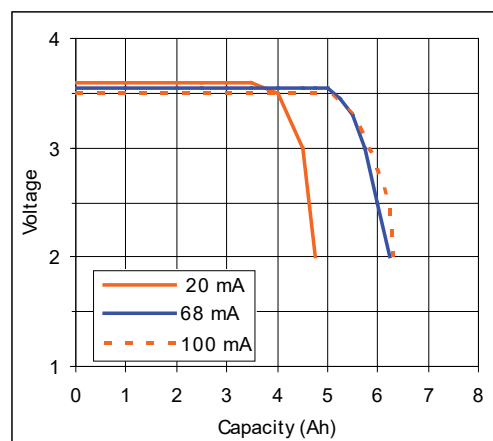
Main Applications:

- Downhole oil & gas
 - Measurement While Drilling (MWD)
 - Logging While Drilling (LWD)
- Military devices

Capacity as a function of current and temperature



150°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.