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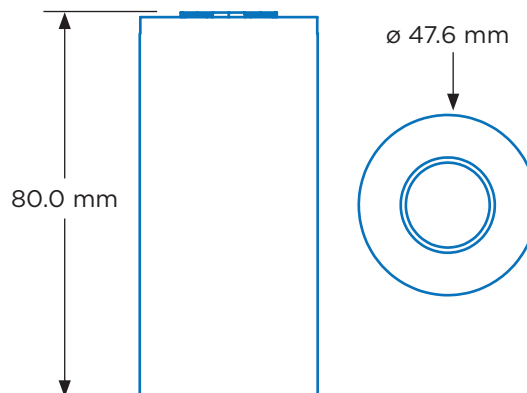
High Rate TSD-LMS Cell Lithium Thionyl Chloride

Electrochem 150HR Series

Physical Characteristics

Chemistry	Thionyl Chloride
Construction	Dual Anode
Cell Size	TSD-LMS
Length¹	80.0 mm
Diameter²	47.6 mm
Cell Weight	325.0 g
Lithium Weight	12.0 g
Integrated Safety Fuse	Yes

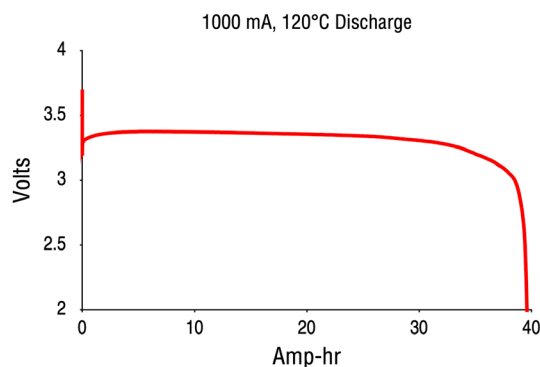
Cell Drawing



Electrical Characteristics

Cell Type	Primary
Open Circuit Voltage (25°C)	3.6 V
Nominal Capacity	38 Ah
Maximum Continuous Current	2000 mA
Operating Temperature	-40°C to +150°C
Self Discharge Rate	<3% per year
Storage Temperature	$\leq 25^{\circ}\text{C}$
Discharge Condition	1000 mA, 120°C
Magnetic Signature	< 40nT

Discharge Curve
1000 mA, 120°C



Key Features

- Primary chemistry (non-rechargeable)
- Low magnetic signature
- Built to withstand extreme shock and vibration
- Stainless steel container
- Hermetic glass-to-metal sealing
- Restricted for transportation (Class 9)
- Custom terminations available

Main Applications³

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

NOTE: ¹ The information on this datasheet is for marketing purposes only. Please consult with Electrochem for more information regarding how our cells will perform within your application. ² The information in this document is subject to change without notice and does not constitute a warranty of performance. ³ This product and its external electrical contact materials are RoHS compliant. See our "RoHS Statement" for more information. ⁴ The length dimension was based off of a flat termination. The use of other terminations will impact overall cell length. ⁵ Diameter measurements include shrink when applicable. ⁶ The "Main Application" list does not include all potential applications, please consult Electrochem for your application needs.