

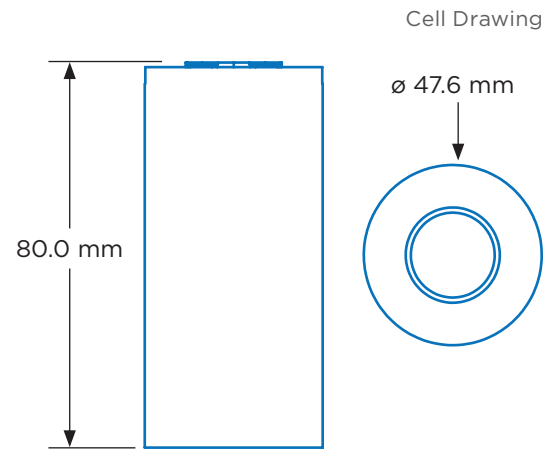
# 4440

## High Rate TSD-LMS Cell Lithium Thionyl Chloride

### 150HR Series

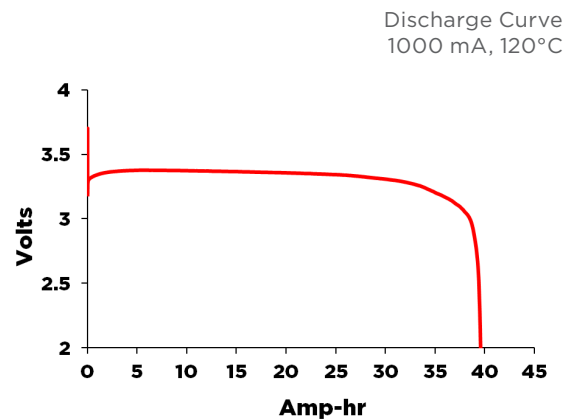
#### Physical Characteristics

<b>Chemistry</b>	Thionyl Chloride
<b>Cell Size</b>	TSD-LMS
<b>Length<sup>1</sup></b>	80.0 mm
<b>Diameter<sup>2</sup></b>	47.6 mm
<b>Cell Weight</b>	325.0 g
<b>Lithium Weight</b>	12.0 g
<b>Integrated Safety Fuse</b>	Yes



#### Electrical Characteristics

<b>Cell Type</b>	Primary
<b>Open Circuit Voltage (25°C)</b>	3.6 V
<b>Nominal Capacity</b>	38 Ah
<b>Maximum Continuous Current</b>	2000 mA
<b>Operating Temperature</b>	-40°C to +150°C
<b>Self Discharge Rate</b>	<3% per year
<b>Storage Temperature</b>	≤ 25°C
<b>Discharge Condition</b>	1000 mA, 120°C
<b>Magnetic Signature</b>	< 40nT



#### 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 Applications<sup>3</sup>

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

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