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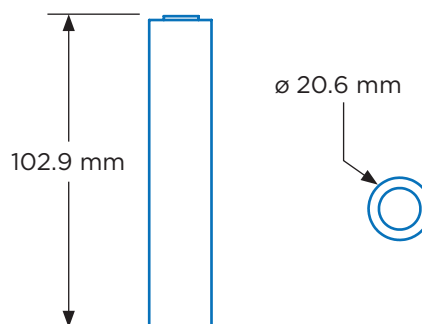
Moderate Rate Sub CC Cell Lithium Thionyl Chloride

Electrochem 165MR Series

Physical Characteristics

Chemistry	Thionyl Chloride
Construction	Dual Anode
Cell Size	Sub CC
Length¹	102.9 mm
Diameter²	20.6 mm
Cell Weight	69.2 g
Lithium Weight	3.3 g
Integrated Safety Fuse	N/A

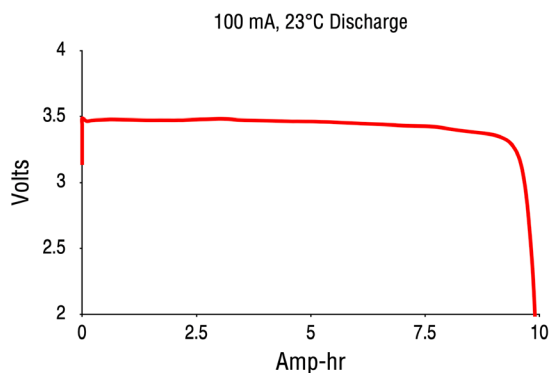
Cell Drawing



Electrical Characteristics

Cell Type	Primary
Open Circuit Voltage (25°C)	3.67 V
Nominal Capacity	9.9 Ah
Maximum Continuous Current	200 mA
Operating Temperature	-40°C to +165°C
Self Discharge Rate	<2% per year
Storage Temperature	≤ 25°C
Discharge Condition	100 mA, 23°C

Discharge Curve
100 mA, 23°C



Key Features

- Primary chemistry (non-rechargeable)
- Moderate rate capability
- Stainless steel container
- Hermetic glass-to-metal sealing
- Built to withstand extreme shock and vibration
- 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.