

3B6880

Low Rate Coin Cell

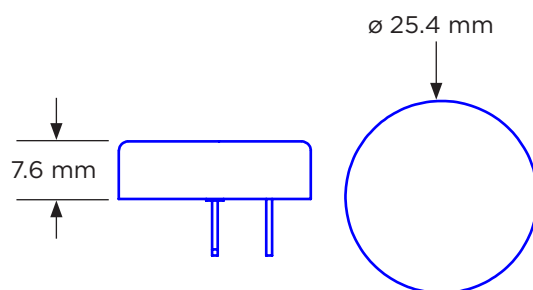
Lithium Thionyl Chloride

QTC85 Series

Physical Characteristics

Chemistry	Thionyl Chloride
Construction	Bobbin
Cell Size	Coin
Length¹	7.6 mm
Diameter²	25.4 mm
Cell Weight	10.0 g
Lithium Weight	0.3 g
Integrated Safety Fuse	N/A

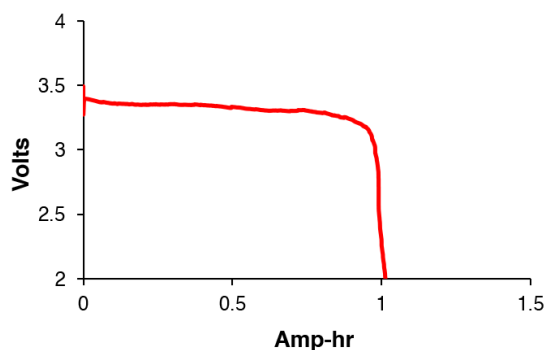
Cell Drawing



Electrical Characteristics

Cell Type	Primary
Open Circuit Voltage (25°C)	3.67 V
Nominal Capacity	1.0 Ah
Maximum Continuous Current	3 mA
Operating Temperature	-40°C to +85°C
Self Discharge Rate	<2% per year
Storage Temperature	$\leq 25^{\circ}\text{C}$
Discharge Condition	3 mA, 23°C

Discharge Curve
3 mA, 23°C



Key Features

- Primary chemistry (non-rechargeable)
- Low rate capability
- Bobbin style construction
- Stainless steel container
- Hermetic glass-to-metal sealing
- Custom terminations available

Main Applications³

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

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.