

3B6880

Low Rate Coin Cell

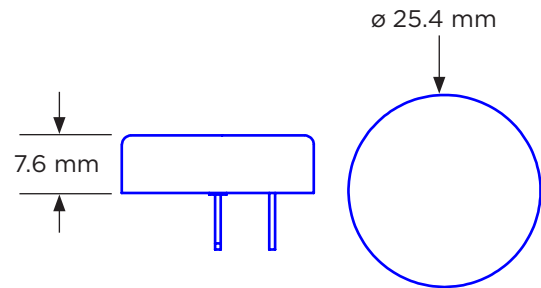
Lithium Thionyl Chloride

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 |

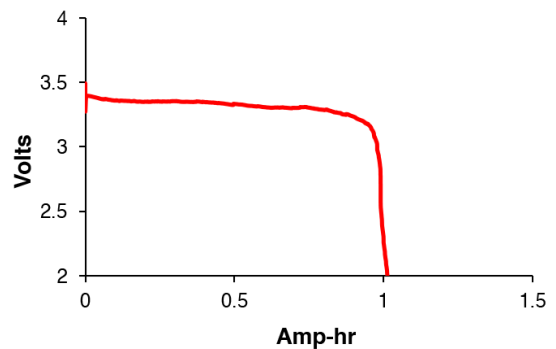
Cell Drawing



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 | ≤ 25°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: ¹The 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. ²The information in this document is subject to change without notice and does not constitute a warranty of performance. ³This product and its external electrical contact materials are RoHS compliant. See our "RoHS Statement" for more information. ⁴The length dimension was based off of a flat termination. The use of other terminations will impact overall cell length. ⁵Diameter measurements include shrink when applicable. ⁶The "Main Application" list does not include all potential applications, please consult Electrochem for your application needs.