

3B0070

High Rate C Cell

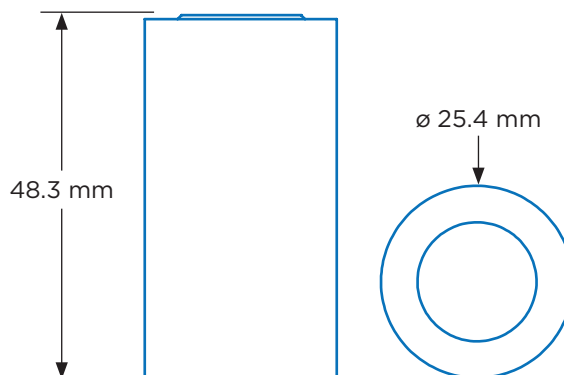
Lithium Bromine Chloride

BCX85 Series

Physical Characteristics

Chemistry	Bromine Chloride
Construction	Spiral
Cell Size	C
Length¹	48.3 mm
Diameter²	25.4 mm
Cell Weight	52.0 g
Lithium Weight	2.1 g
Integrated Safety Fuse	Yes

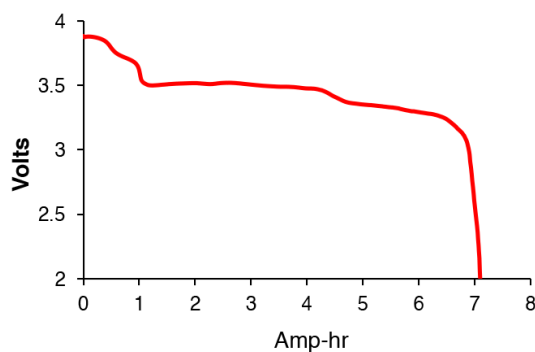
Cell Drawing



Electrical Characteristics

Cell Type	Primary
Open Circuit Voltage (25°C)	3.9 V
Nominal Capacity	7.1 Ah
Maximum Continuous Current	500 mA
Operating Temperature	-55°C to +85°C
Self Discharge Rate	<3% per year
Storage Temperature	$\leq 25^\circ\text{C}$
Discharge Condition	50 mA, 23°C

Discharge Curve
50 mA, 23°C



Key Features

- Primary chemistry (non-rechargeable)
- High rate capability
- Advanced spiral-wound technology
- Stainless steel container
- Hermetic glass-to-metal sealing
- Restricted for transportation (Class 9)
- Custom terminations available

Main Applications³

- Military communications
- Oceanographic buoys and gliders
- Tracking systems
- Sensor systems
- Pipeline inspection gauges
- Beacons, transponders and receivers
- Seismic surveying birds

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.