

## LO 26 SHX

### 3.0 V Primary lithium - sulfur dioxide (Li-SO<sub>2</sub>) High Drain and Pulse Spiral D-size cell



For high drain applications up to 4 A continuous, 15 A pulse currents, possibly combined with exposure to extreme temperatures.

#### Key features

- High and stable discharge voltage
- Performance not affected by cell orientation
- Low self discharge rate (less than 3% after 1 year of storage at +20 °C)
- Hermetic glass-to-metal sealing
- Built-in safety vent (at the negative end of the cell)
- Restricted for transport (class 9)
- UL Component Recognition (File Number MH 15076)
- Meets shock, vibration and other environmental requirements of military specifications
- Made in the USA

#### Main applications

- Radiocommunications and other military applications
- Beacons and Emergency Location Transmitters
- Sonobuoys
- Missiles
- Cardiac defibrillators

etc...

#### Cell size reference

R20 - D

#### Electrical characteristics

(typical values for cells stored for one year or less)

Nominal capacity	7.5 Ah
<i>(at 1 A +20 °C 2.0 V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).</i>	
Open circuit voltage (at +20 °C)	3.0 V
Nominal voltage (at 0.8 A +20 °C)	2.8 V
Maximum recommended continuous current	4 A
<i>(to avoid over-heating. Higher currents possible, consult Saft).</i>	

Pulse capability : up to 15 A. Varies according to pulse characteristics (frequency, duration), temperature, cell history (storage conditions prior to usage) and the application's acceptable minimum voltage. Consult Saft.

Storage (recommended) (possible without leakage)	+30 °C/+86 °F max -60 °C (-76 °F) / +85 °C (+185 °F)
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Operating temperature range	-60 °C (-76 °F) / +71 °C (+160 °F)
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*(Short excursions up to 85 °C possible at currents below 1 A).*

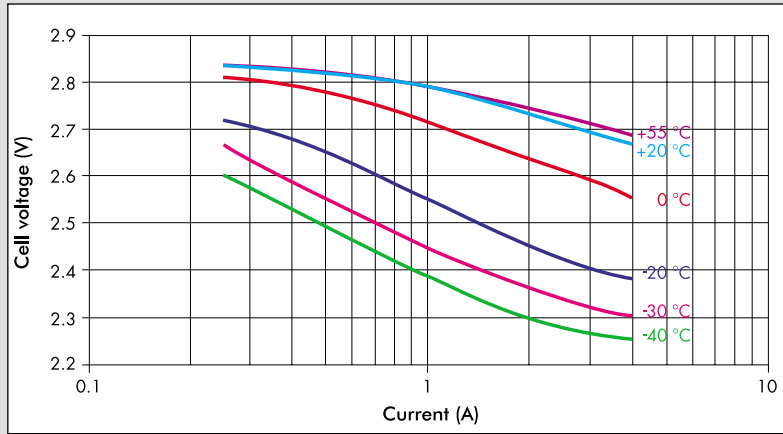
#### Physical characteristics

Diameter (max)	34.2 mm (1.345 in)
Height (max; finish without radial tabs)	59.3 mm (2.33 in)
Typical weight	85 g (3 oz)
Li metal content	2.3 g

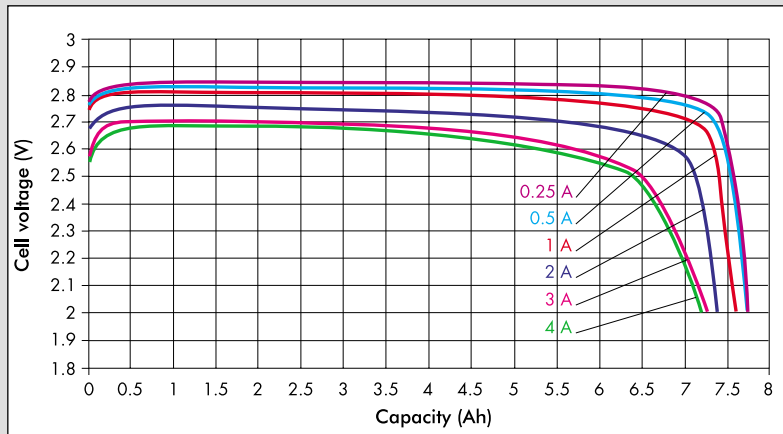
Standard cell comes with resin potting in the topshell area and two radial 0.15 mm - thick nickel tabs

Finish with individual fuse on request

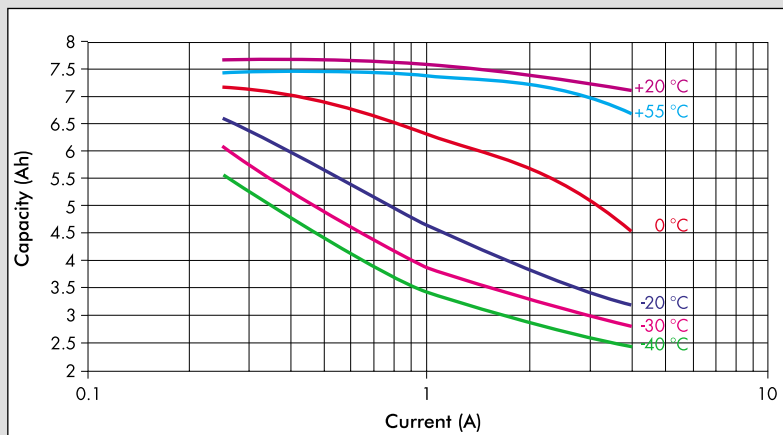
**Voltage at mid-discharge versus Current and Temperature (2.0 V cut off)**



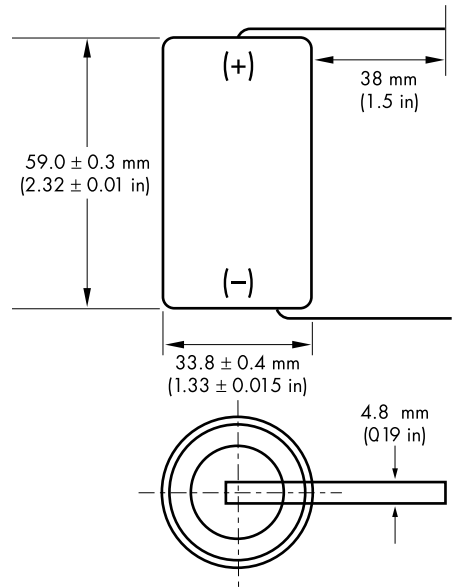
**Typical discharge profiles at +20°C**



**Capacity versus Current and Temperature (Continuous discharge - 2.0 V cut off)**



**LO 26 SHX**



**Overall dimensions**

**Handling precautions**

- Cell is pressurised.
- Do not puncture, open or mutilate.
- Do not obstruct the safety vent mechanism.
- Do not short circuit or charge.
- Do not expose to fire or temperatures above 70 °C (160 °F).



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Doc. N° 31034-2-0902  
Published by the Communications Department

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