

# LSH 14

## 3.6 V Primary lithium thionyl chloride High Drain Capability spiral C-size cell



For high drain applications up to 800 mA continuous, and 2500 mA pulse currents, possibly combined with exposure to extreme temperatures.

### Key features

- 1.65 g./6.4 Ah of introduced lithium
- High discharge voltage
- Low self discharge rate  
*(less than 3% after 1 year of storage at +20°C)*
- Hermetic glass-to-metal sealing
- Stainless steel container
- Built-in safety vent
- Finished with a 5 A fuse
- UL Component Recognition  
(File Number MH 12609)

### Main applications

- Radiocommunications and other military applications
- Alarms
- Beacons and Emergency Location Transmitters
- GPS
- Meters
- Sonobuoys
- Tracking systems  
... etc.

NATO stock number  
6 135 12 306 4125

### Cell size reference

**R14 - C**

### Electrical characteristics

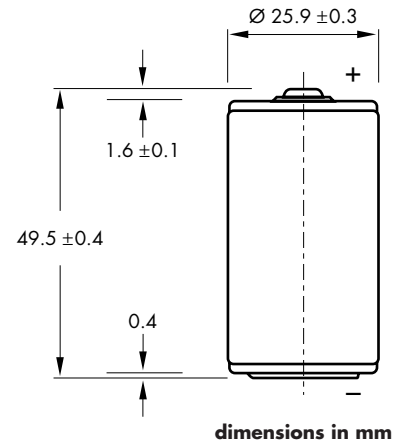
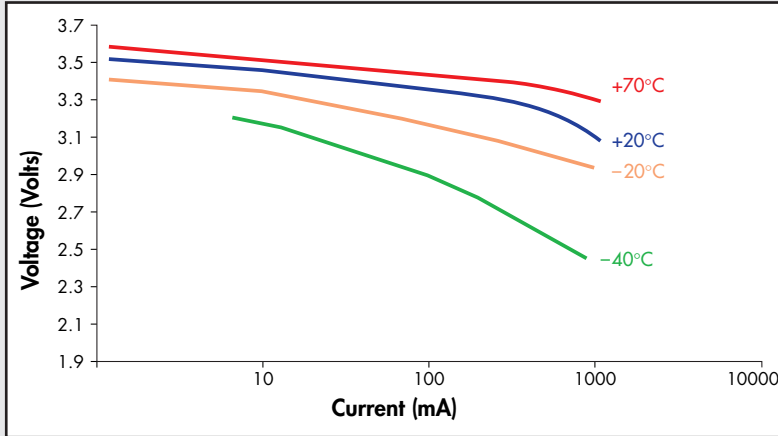
Nominal capacity <i>(at 10 mA +20°C 2.0 V cut off)</i>	5.5 Ah
Open circuit voltage	3.67 V
Nominal voltage <i>(at 1 mA +20°C)</i>	3.6 V
Maximum 1 sec./mn. pulse capability <i>(to stay above 2.5 V at +20°C)</i>	2500 mA
Maximum recommended continuous current <i>(to get 50% of the nominal capacity)</i>	800 mA
Operating temperature range <i>(short excursions up to 100°C possible)</i>	-60/+85°C
Storage <i>(recommended possible)</i>	+30°C max -60/+100°C

### Physical characteristics

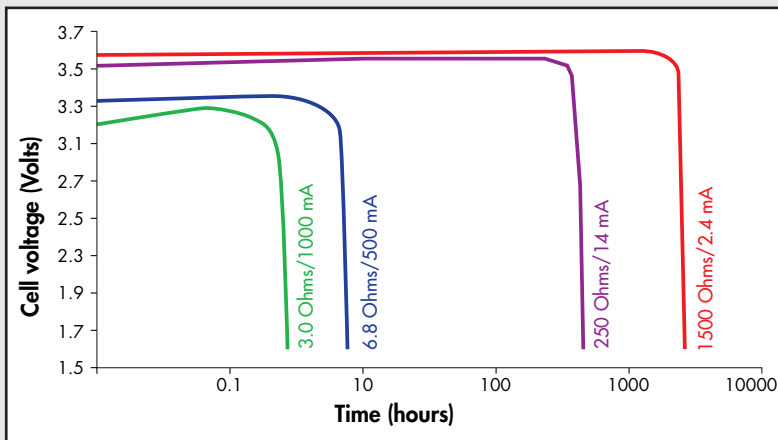
Diameter <i>(max)</i>	26.2 mm (1.03")
Height <i>(max)</i>	49.9 mm (1.96")
Weight	51 g
Available terminations suffix	- CN, CNR (STS) - CNA (AX) - FL radial tabs axial leads flying leads ... etc.

# LSH 14

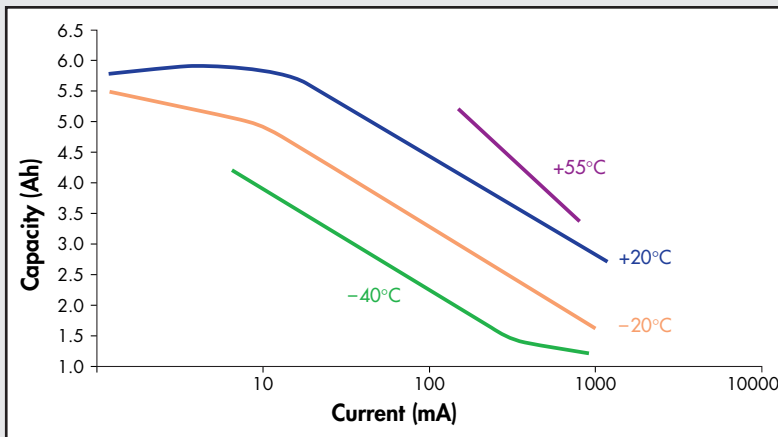
Cell voltage at mid-discharge versus Current and Temperature



Discharge profiles at +20°C



Capacity (2.0 Volt cut off) versus Current and Temperature



156, avenue de Metz  
 93230 Romainville (France)  
 Phone +33 (0)1 49 15 34 20  
 Fax +33 (0)1 49 15 36 24  
 Internet: <http://www.saft.alcatel.com>  
 DOC. N° RM 08 98-31013-2  
 Published by the Communication Department

Information in this document is subject to change without notice and become contractual only after written confirmation by Saft.