

# LSH 20

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



For high drain applications up to 1.8 A continuous, 4.5 A or more pulse currents, possibly combined with exposure to extreme temperatures.

### Key features

- 3.95 g./15.2 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  
(10 A fuse optional)
- 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 14 440 1213

### Cell size reference

R20 - D

### Electrical characteristics

Nominal capacity (at 15 mA +20°C 2.0 V cut off)	13.0 Ah
Open circuit voltage	3.67 V
Nominal voltage (at 3 mA +20°C)	3.6 V
Maximum recommended pulse current (with 5 A fuse)	4500 mA
Maximum recommended continuous current (at +20°C, in order to limit cell heating)	1800 mA
Operating temperature range (short excursions up to 100°C possible)	-60/+85°C
Storage (recommended) (possible)	+30°C max -60/+100°C

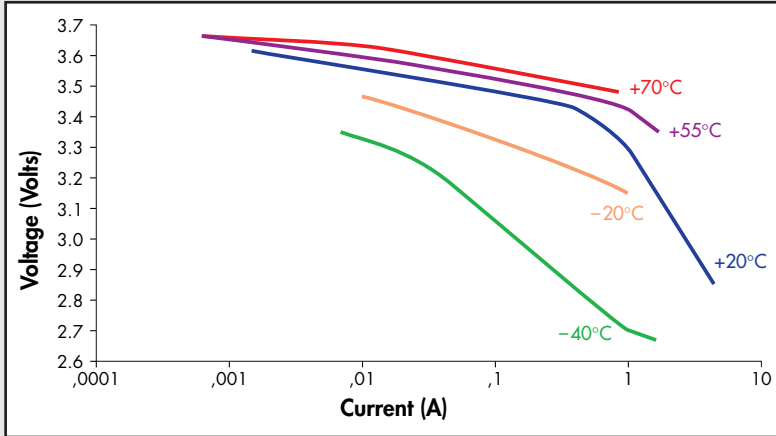
### Physical characteristics

Diameter (max)	33.6 mm (1.32")	
Height (max)	61.3 mm (2.41")	
Weight	100 g	
Available terminations suffix	- CN, CNR (STD) - CNA (AX) - FL	radial tabs axial leads flying leads ... etc.

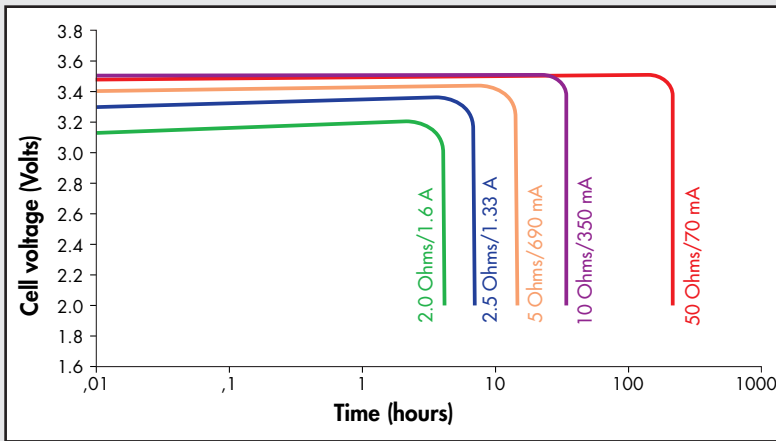
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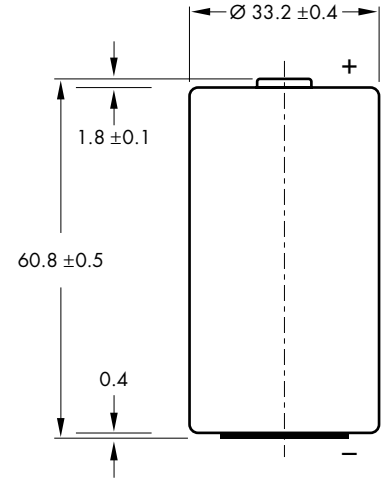
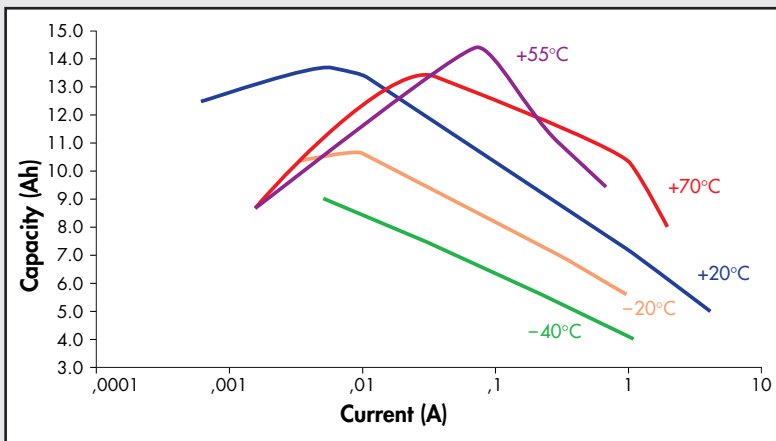
Cell voltage at mid-discharge versus Current and Temperature



Discharge profiles at +55°C



Capacity versus Current and Temperature (2.0 Volt cut off)



dimensions in mm



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