## **Primary lithium batteries** LST 17330

3.6V Primary lithium-thionyl chloride (Li-SOCl<sub>2</sub>) High energy density <sup>2</sup>/<sub>3</sub> A-size bobbin cell

For applications requesting good voltage response and operating life in -60°C/+85°C environments.



- High and stable operating voltage
- Low self-discharge rate (less than 1% after 1 year of storage at + 20°C)
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- Compliant with IEC 86-4 safety standard and EN 50020 intrinsic safety standard
- Underwriters Laboratories (UL) **Component Recognition** (File Number MH 12802)
- Non-restricted for transport

### **Main applications**

- Utility metering
- Automatic meter reading
- Alarms and security devices
- Tollgate systems
- Memory back-up
- Tracking systems
- Automotive electronics
- Professional electronics

etc...



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3.6V li-soc



Pulse capability: Typically up to 120 mA (120 mA/0.1 second pulses, drained every 2 mn at + 20°C from undischarged cells with 10  $\mu$ A base current, yield voltage readings above 3.0V. The readings may vary according to the pulse characteristics, the temperature, and the cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions. Consult Saft)

Continuous current permitting 50% of the nominal capacity to be achieved at + 20°C with 2.0V cut off. ( <i>Higher currents possible, consult Saft</i> )		25 mA
Storage	(recommended)	+ 30°C (+ 86°F) max
5	(for more severe conditions, consult Saft)	
Operating temperature range		-60°C/+85°C
(Operation above ambient T may lead to reduced capacity and		(-76°F/+185°F)
lower voltage readings at the beginning of pulses. Consult Saft)		
Physical cha	racteristics	
Diameter <i>(max)</i>		16.5 mm (0.65 in)

Di Height (max) Typical weight

CNA (AX)

September 2004

# LST 17330

 $1.2 \pm 0.2$ 

0.5

Ø 16.3

± 0.2

Dimensions in mm.

Ø 4.0

Ø 8.7

± 0.3



Voltage plateau versus Current and Temperature (at mid-discharge)



Time (hours)





33 1 + 0 3

• The storage area should be clean, cool (not exceeding + 30°C), dry and ventilated.

### Warning

- Fire, explosion and severe burn hazard.
- Do not recharge, short circuit, crush, disassemble, heat above 100°C (212°F), incinerate, or expose contents to water.
- Do not solder directly to the cell.





#### Saft

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