## **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.



2 Sart

### **Key features**

- 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...

Cell size refer	ence		²/₃ <b>A</b>
Electrical charac	cteristics		
(typical values relati	ve to cells stored for one year	or less at +30°C ma	ах.)
Nominal capacity (at 3 mA + 20°C 2.0V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).			2.1 Ah
Open circuit voltage	(at +20°C)		3.67V
Nominal voltage	(at 0.2 mA +20°C)		3.6V
drained every 2 mn current, yield voltag to the pulse charact	ically up to 120 mA (120 mA, at + 20°C from undischarged e readings above 3.0V. The re teristics, the temperature, and a capacitor may be recommen	cells with 10 µA bas adings may vary acco I the cell's previous h	ording istory.
Continuous current permitting 50% of the nominal capacity to be achieved at + 20°C with 2.0V cut off. (Higher currents possible, consult Saft)			25 mA
Storage	(recommended) (for more severe condition	s, consult Saft)	+ 30°C (+ 86°F) max
Operating temperature range (Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses. Consult Saft)			- 60°C/+ 85°C (-76°F/+185°F)
Physical charact	eristics		
Diameter <i>(max)</i>			16.5 mm (0.65 in)
Height (max)			33.4 mm (1.31 in)
Typical weight			14.4 g (0.5 oz)
Li metal content			approx. O.6 g
Available termination	n suffix CNR, CNR OP 2 PF, 3 PF, 3 PF RP CNA (AX)	rectangular radi radial pins axial leads	al tabs



# LST 17330

 $1.2 \pm 0.2$ 

0.5

Ø 16.3

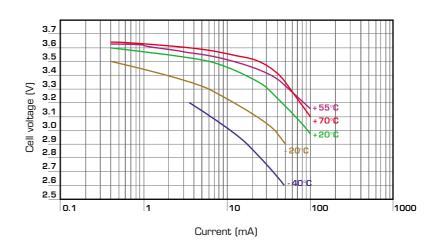
± 0.2

Dimensions in mm.

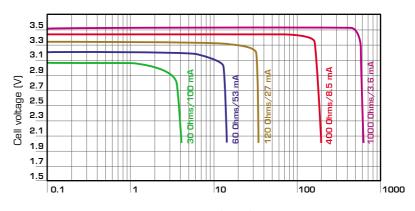
Ø 4.0

Ø 8.7

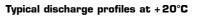
± 0.3



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



Time (hours)



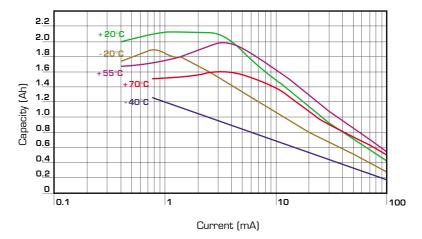


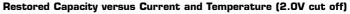
33 1 + 0 3

• 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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