

LS 14250 LST 14250

**3.6 V Primary
lithium - thionyl
chloride (Li-SOCl₂)
High Drain
½ AA-size cells**



For applications with continuous currents up to 40 mA, possibly combined with pulsing and exposure to extreme temperatures.

Cell size reference	½ R6 - ½ AA	
Electrical characteristics <i>(typical values for cells stored for one year or less)</i>		
Nominal capacity	1.0 Ah	
<i>(at 1.5 mA +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)	3.67 V	
Nominal voltage (at 0.1 mA +20°C)	3.6 V	
Maximum recommended continuous current	40 mA	
<i>(to get 50 % of the nominal capacity at +20°C with 2 V cut off. Higher currents possible, consult Saft).</i>		
Pulse capability : <i>varies according to pulse characteristics (frequency, duration), temperature, cell history (storage conditions prior to usage) and the application's acceptable minimum voltage. Consult Saft.</i>		
Storage	(recommended)	+30°C max
	(possible without leakage)	-60/+120°C
Operating temperature range	-60/+85°C	
<i>(Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses).</i>		
Physical characteristics		
	LS 14250	LST 14250
Diameter (max)	14.65 mm (0.58 in)	14.55 mm (0.57 in)
Height (max)	24.80 mm (0.98 in)	25.10 mm (0.97 in)
Typical weight	8.9 g	9.4 g
Available termination suffix	CN, CNR, (STS) 2 PF, 3 PF, 3 PF RP, 4 PF CNA (AX) FL	radial tabs radial pins axial leads flying leads ...etc.

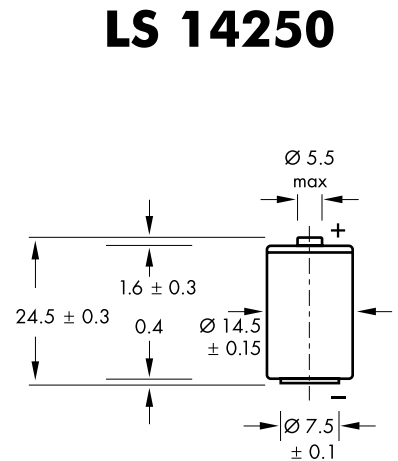
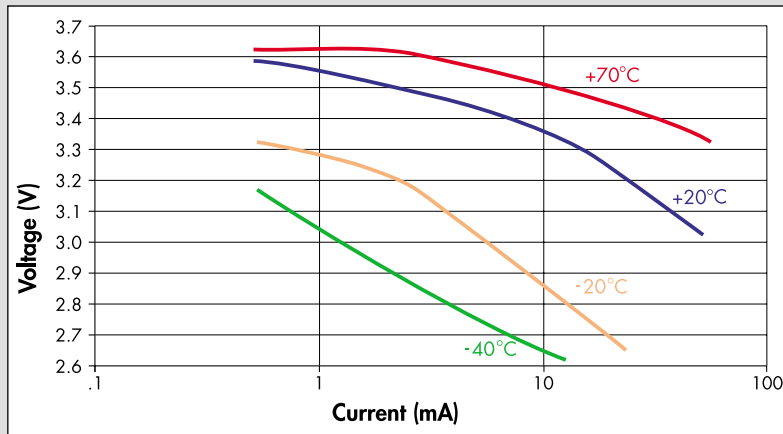
Key features

- High and stable operating voltage
- Superior drain capability
- Low self discharge rate
(less than 1% after 1 year of storage at +20°C)
- Stainless steel container
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- Compliant with IEC 86-4 safety standard
- Underwriters Laboratories (UL) Component Recognition
- LS 14250 File Number MH 12609
- LST 14250 File Number MH 12802
- Non-restricted for transport

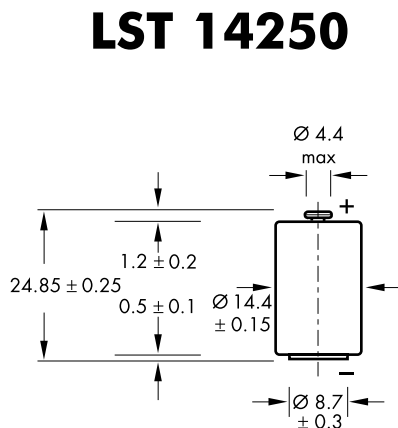
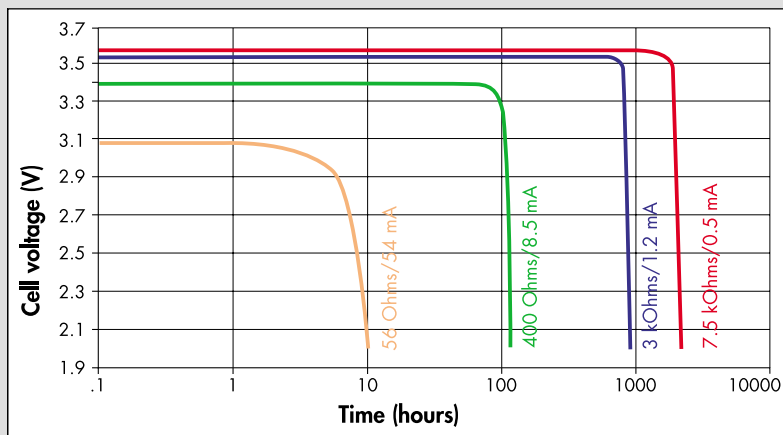
Main applications

- Utility metering
- Automatic meter reading
- Alarms and security devices
- Tollgate systems
- Memory back-up
- Computer real-time clocks
- Tracking systems
- Automotive electronics
- Professional electronics
- ... etc.

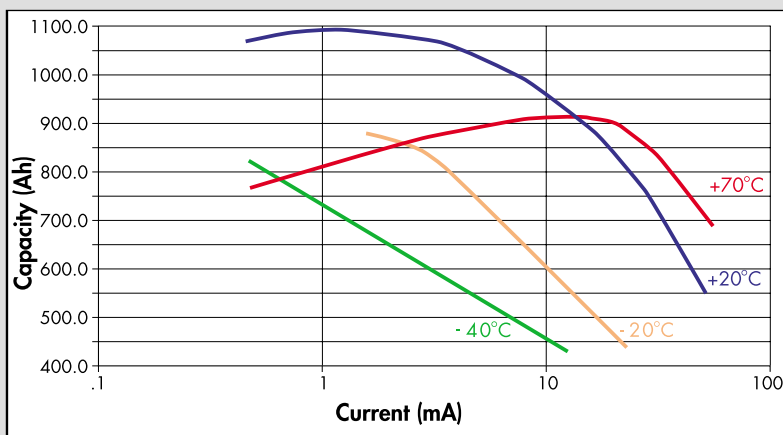
Voltage plateau versus Current and Temperature (at mid-discharge)



Discharge profiles at +20°C



Capacity versus Current and Temperature (2.0 V cut off)



dimensions in mm



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