

# LS 14250

**3.6 V Primary lithium  
thionyl chloride  
High Drain Capability  
1/2 AA-size cell**



For high drain applications with continuous currents up to 40 mA and/or pulses up to 200 mA, possibly combined with exposure to extreme temperatures.

## Key features

- High discharge 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
- Compliant with IEC 86-4 safety standard
- UL Component Recognition (File Number MH 12609)
- Non restricted for transportation

## Main applications

- Alarms and security devices
- Automotive electronics
- Electronic road payment systems
- Metering equipments
- Professional electronics
- Tracking devices
- ... etc.

## Cell size reference

**1/2 R6 - 1/2 AA**

## Electrical characteristics

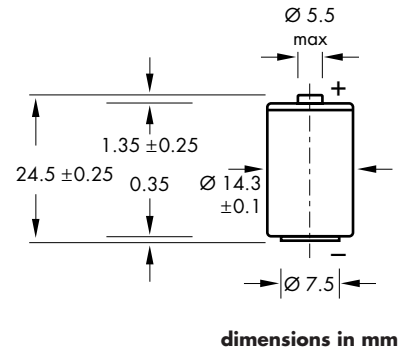
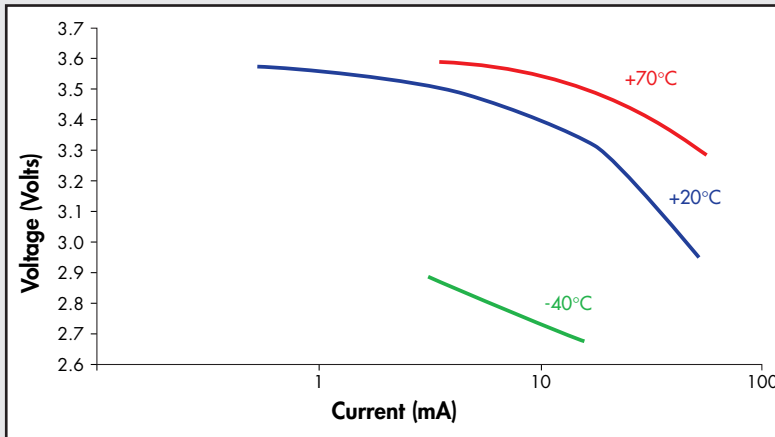
Nominal capacity <i>(at 1.5 mA +20°C 2.0 V cut off)</i>	1.00 Ah
Open circuit voltage	3.67 V
Nominal voltage <i>(at 0.1 mA +20°C)</i>	3.6 V
Maximum 1 sec./mn. pulse capability <i>(to stay above 2.5 V at +20°C)</i>	200 mA
Maximum recommended continuous current <i>(to get 50% of the nominal capacity)</i>	40 mA
Operating temperature range <i>(short excursions up to 130°C possible)</i>	-60/+85°C
Storage <i>(recommended possible)</i>	+30°C max -60/+100°C

## Physical characteristics

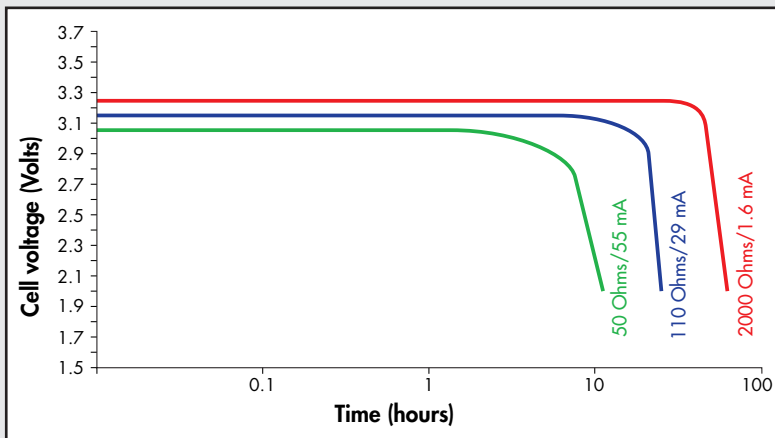
Diameter <i>(max)</i>	14.4 mm (0.57")	
Height <i>(max)</i>	24.75 mm (0.97")	
Weight	7.5 g	
Available terminations suffix	- CN, CNR (STS) - 3PF, 3PF RP - CNA (AX) - FL	radial tabs radial pins axial leads flying leads... etc.

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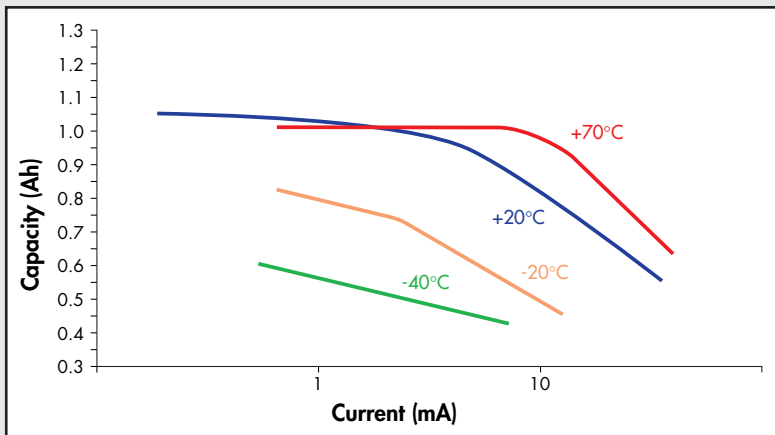
Cell voltage at mid-discharge versus Current and Temperature



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>  
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