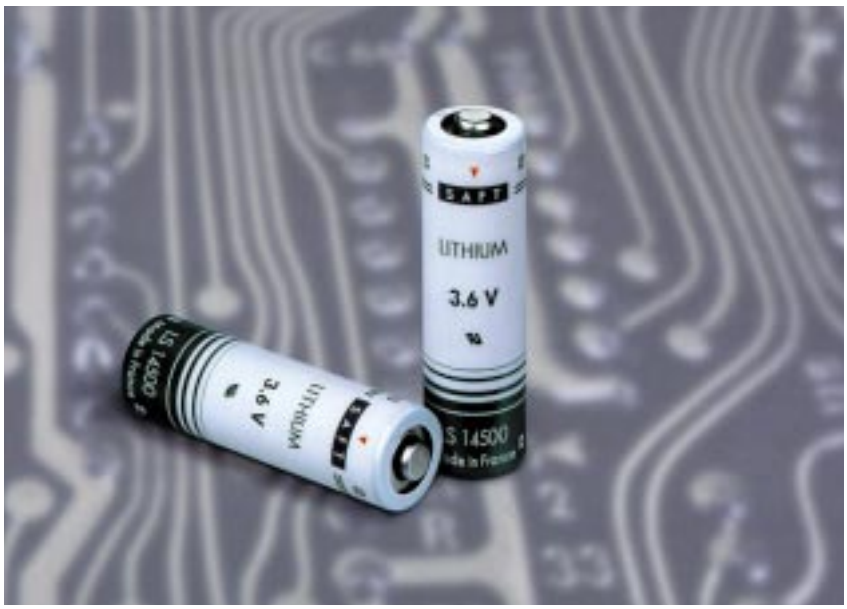
LS 14500

3.6 V Primary lithium thionyl chloride High Drain Capability AA-size cell



For high drain applications with continuous currents up to 120 mA and/or pulses up to 400 mA, possibly combined with exposure to extreme temperatures.

Key features

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

Main applications

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

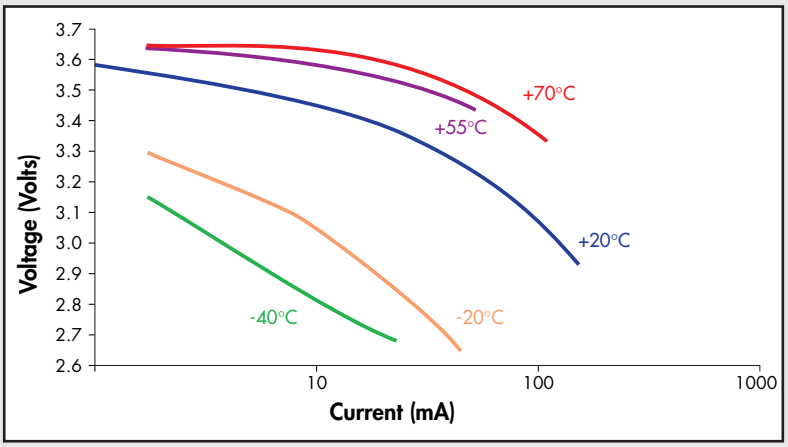
… etc.

Cell size reference		**R6 - AA**
Electrical characteristics		
Nominal capacity *(at 3 mA +20°C 2.0 V cut off)*		2.25 Ah
Open circuit voltage		3.67 V
Nominal voltage *(at 0.2 mA +20°C)*		3.6 V
Maximum 1 sec./mn. pulse capability *(to stay above 2.5 V at +20°C)*		400 mA
Maximum recommended continuous current *(to get 50% of the nominal capacity)*		120 mA
Operating temperature range *(short excursions up to 130°C possible)*		–60/+85°C
Storage *(recommended)* *(possible)*		+30°C max –60/+100°C
Physical characteristics		
Diameter *(max)*		14.4 mm (0.57")
Height *(max)*		50.25 mm (1.98")
Weight		15 g
Available terminations suffix	- CN, CNR (STS), - 2PF, 3PF, 3PF RP, 4PF - CNA (AX) - FL	radial tabs radial pins axial leads flying leads… etc.

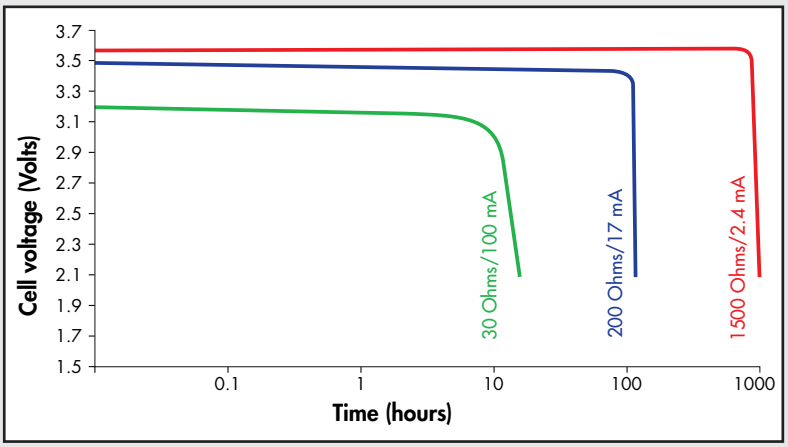
SAFT

LS 14500

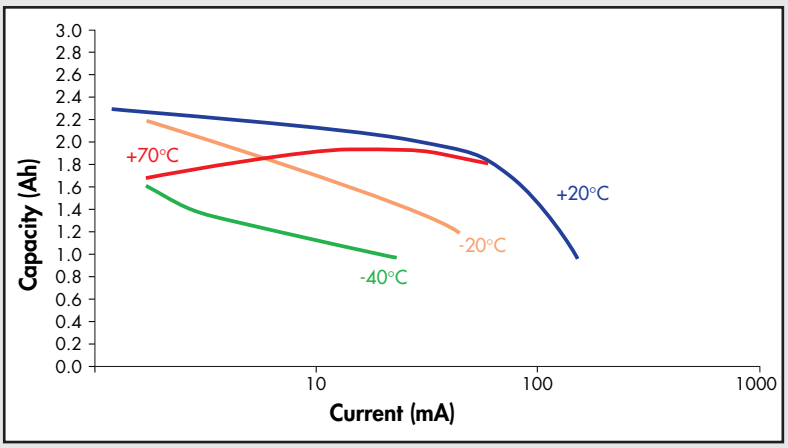
Cell voltage at mid-discharge versus Current and Temperature

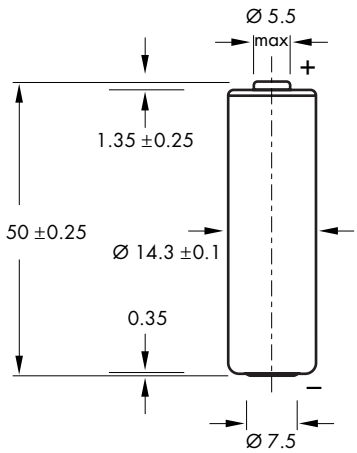


Discharge profiles at +20°C



Capacity (2.0 Volt cut off) versus Current and Temperature





dimensions in mm

SAFT

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

DOC. N° RM 08 98-31011-2
Published by the Communication Department

Information in this document is subject to change without notice and become contractual only after written confirmation by Saft.

Société anonyme au capital de 500 011 900 F - 343 588 737 R.C.S. Bobigny - Crédit photo : Le cocotier bleu - Art Connexion