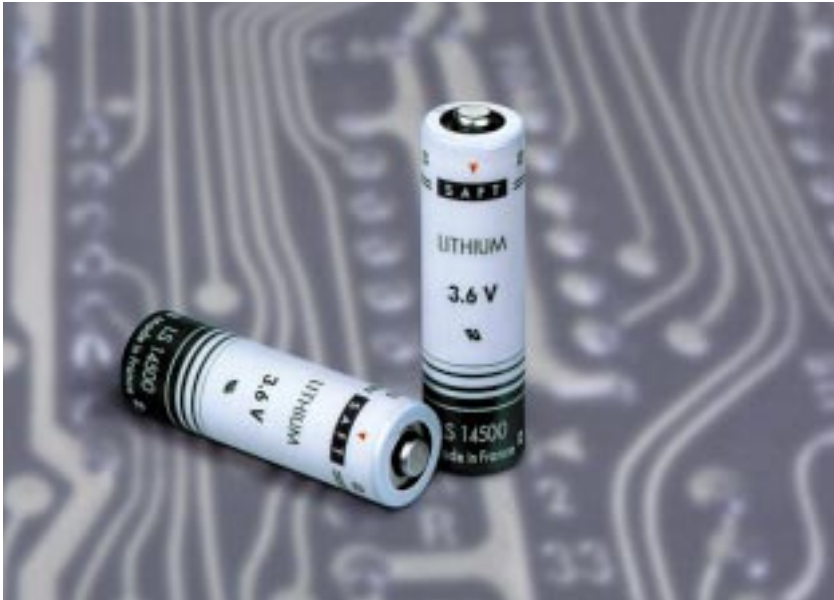


LS 14500

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

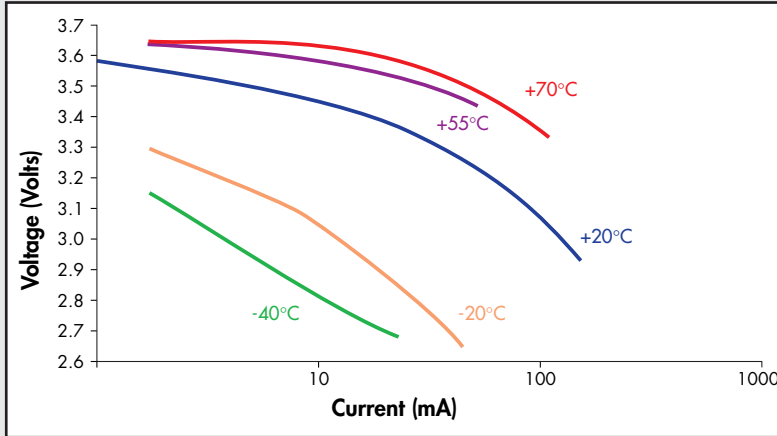
Nominal capacity <i>(at 3 mA +20°C 2.0 V cut off)</i>	2.25 Ah
Open circuit voltage	3.67 V
Nominal voltage <i>(at 0.2 mA +20°C)</i>	3.6 V
Maximum 1 sec./mn. pulse capability <i>(to stay above 2.5 V at +20°C)</i>	400 mA
Maximum recommended continuous current <i>(to get 50% of the nominal capacity)</i>	120 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

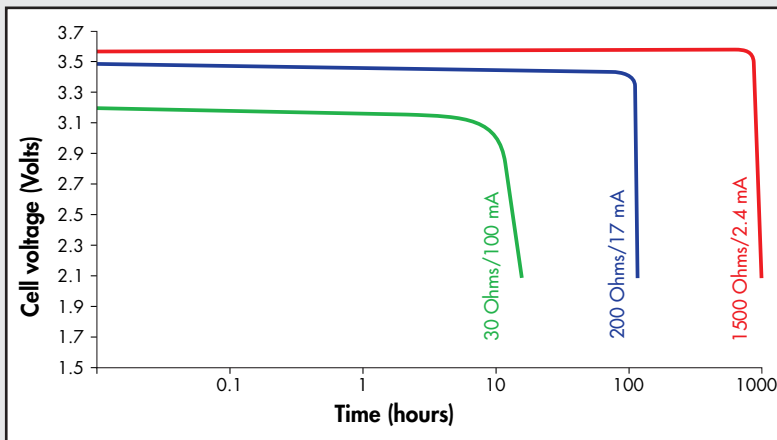
Diameter <i>(max)</i>	14.4 mm (0.57")
Height <i>(max)</i>	50.25 mm (1.98")
Weight	15 g
Available terminations suffix	- CN, CNR (STS), radial tabs - 2PF, 3PF, 3PF RP, 4PF radial pins - CNA (AX) axial leads - FL flying leads... etc.

LS 14500

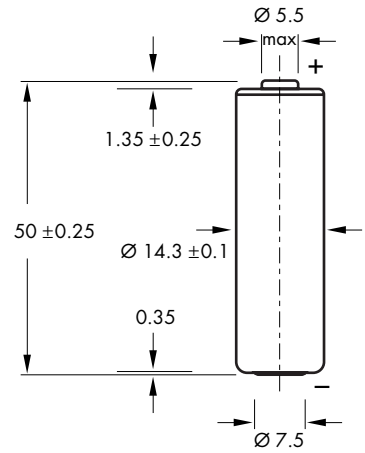
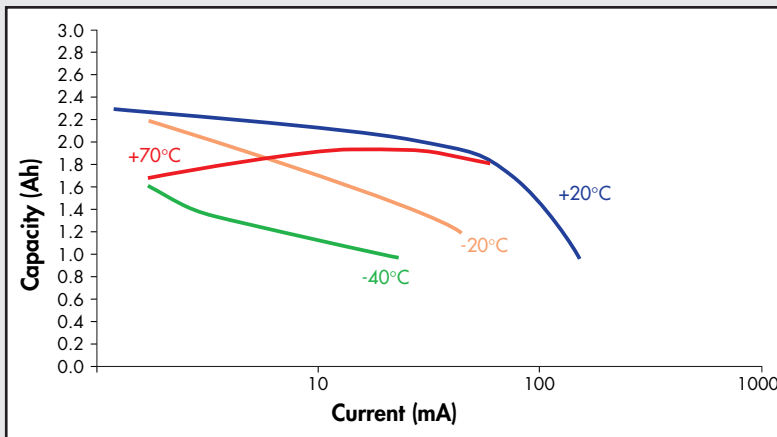
Cell voltage at mid-discharge versus Current and Temperature



Discharge profiles at +20°C



Capacity (2.0 Volt cut off) versus Current and Temperature



dimensions in mm



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