

# LS 14500 C

## 3.6 V Primary lithium thionyl chloride High Capacity AA-size cell



For long-lasting applications with continuous currents below 25 mA and/or pulses up to 250 mA, possibly combined with exposure to extreme temperatures. Unrivaled service life.

### Key features

- High operating voltage
- 20 % more capacity than the high drain capability version
- 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
- Metering equipments
- Professional electronics
- Memory backup
- Tracking devices
- ... etc.

### Cell size reference

**R6 - AA**

### Electrical characteristics

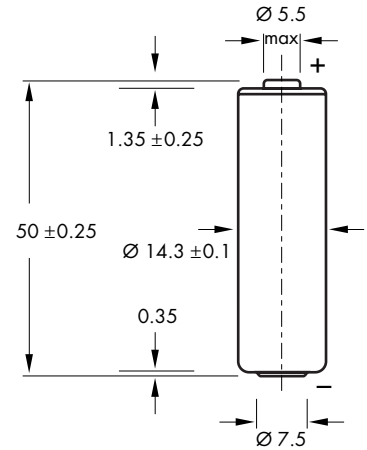
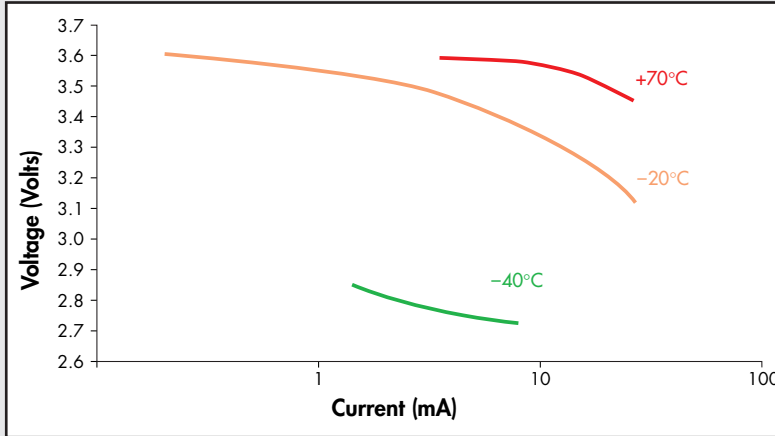
Nominal capacity <i>(at 1 mA +20°C 2.0 V cut off)</i>	2.75 Ah
Open circuit voltage	3.67 V
Nominal voltage <i>(at 0.2 mA +20°C)</i>	3.6 V
Maximum 1 sec./mn. pulse capability <i>(to stay above 2.5 V at +20°C)</i>	250 mA
Maximum recommended continuous current <i>(to get 50% of the nominal capacity)</i>	25 mA
Operating temperature range <i>(short excursions up to 130°C possible)</i>	-60/+85°C
Storage <i>(recommended)</i> <i>(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.

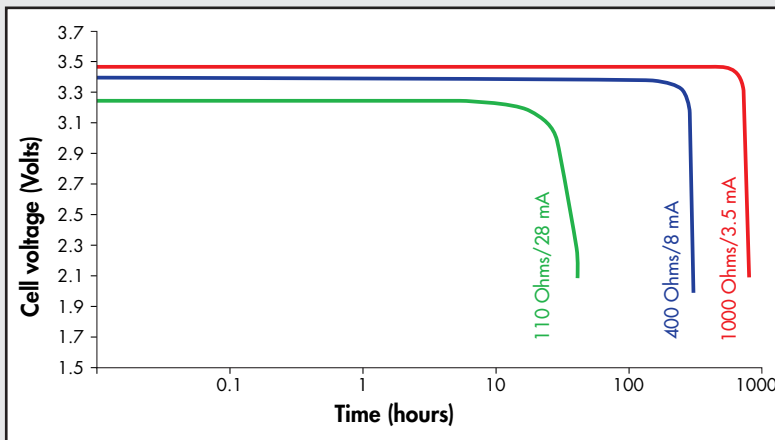
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Cell voltage at mid-discharge versus Current and Temperature

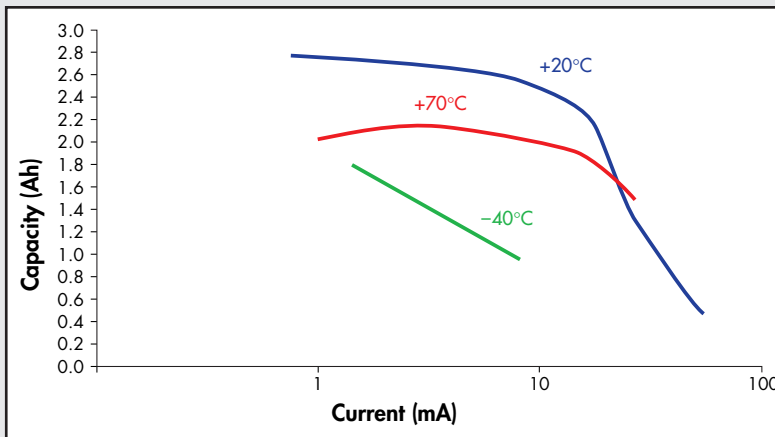


dimensions in mm

Discharge profiles at +20°C



Capacity (2.0 Volt cut off) versus Current and Temperature



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