LS 14500 C

3.6 V Primary lithium - thionyl chloride (Li-$SOCl_2$) High Capacity AA-size cell

For applications with continuous currents up to 25 mA, possibly combined with pulsing and exposure to temperatures not repeatedly exceeding +40°C.

Key features

- High and stable operating voltage
- High minimum voltage during pulsing
- Up to 20% more capacity than the high drain version
- 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 and EN 50020 intrinsic safety
- Underwriters Laboratories (UL) Component Recognition (File Number MH 12609)
- Non restricted for transport

Main applications

- Utility metering
- Alarms and security devices
- Memory back-up
- Tracking systems
- Automotive electronics
- Professional electronics

... etc.

Cell size reference		**R6 - AA**
Electrical characteristics *(typical values for cells stored for one year or less)*		
Nominal capacity		2.75 Ah
(at 1 mA +20°C 2.0 V cut off. The capacity restored by the cell varies according to current drain, temperature and cut off).		
Open circuit voltage *(at +20°C)*		3.67 V
Nominal voltage *(at 0.5 mA +20°C)*		3.6 V
Maximum recommended continuous current		25 mA
(to get 50% of the nominal capacity at +20°C with 2 V cut off. Higher currents possible, consult Saft).		
Pulse capability : *varies according to pulse characteristics (frequency, duration), temperature, cell history (storage conditions prior to usage) and the application's acceptable minimum voltage. Consult Saft.*		
Storage	*(recommended)*	+30°C max
	(possible without leakage)	-60/+120°C
Operating temperature range		-60/+40°C
(Operation at T different from ambient may lead to reduced capacity and lower voltage plateau readings).		
Physical characteristics		
Diameter *(max)*		14.5 mm (0.57")
Height *(max)*		50.3 mm (0.98")
Typical weight		16 g
Available termination suffix	CN, CNR, (STS)	radial tabs
	2 PF, 3 PF, 3 PF RP, 4 PF	radial pins
	CNA (AX)	axial leads
	FL	flying leads ...etc.

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