Primary lithium battery LS 14250W

3.6 V Primary lithium-thionyl chloride (Li-SOCl₂) High energy density ½ AA-size bobbin cell For demanding environments up to +95°C

For applications requesting superior voltage response and operating life in \mathbf{W} idely fluctuating temperature environments up to $+95^{\circ}$ C.

Benefits

- High voltage response, stable during most of the lifetime of the application
- Superior voltage readings after exposure at elevated temperature
- Voltage readings during pulsing moderately affected by T fluctuations
- Low self-discharge rate (less than 1 % per year of storage at + 20°C)
- Easy integration into compact systems
- Superior resistance to atmospheric corrosion

Key features

- Stainless steel container and end caps (low magnetic signature)
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- Compliant with IEC 60086-4 safety standard and IEC 60079-11 intrinsic safety standard (class T4 assignment)
- Underwriters Laboratories (UL) Component Recognition
- Non-restricted for transport/ Non-assigned to Class 9 according to the UN Recommendations on the transport of dangerous goods -Model Regulations
- Manufactured in France, China

Main applications

- Electronic toll collection
- Utility metering
- Automatic meter reading
- Alarms and security devices
- Tracking systems
- Automotive electronics
- Professional electronics



Cell size re	eferences	1⁄2 R6 – 1⁄2 AA
Electrical cha	racteristics	
(typical values i	relative to cells stored for one year or less at +30 °C	(max.)
Nominal capaci	,	1.20 Ah
•	°C 2.0 V cut-off. The capacity restored by the cell v urrent drain, temperature and cut-off)	aries
Open circuit vol	ltage (at +20°C)	3.67 V
Nominal voltage	e (at 0.1 mA +20°C)	3.6 V
Nominal energy	ý.	4.32 Wh
to the pulse ch with a capacito Maximum reco	urrent, yield voltage readings above 3.0 V. The reading paracteristics, the temperature, and the cell's previou or may be recommended in severe conditions. Consu mmended continuous current	is history. Fitting the ce
	ts are possible, consult Saft)	
Storage	(recommended) (for more severe conditions, consult Saft)	+30°C (+86°F) max
Operating temperature range (Operation above ambient T may lead to reduced capacity and lower voltage readings at the beginning of pulses. Consult Saft)		-60°C/+95°C (-76°F/+203°F)
Physical chara	acteristics	
Diameter (max)		14.55 mm (0.57 in
Height (max)		25.15 mm (0.99 in
Typical weight		8.9 g (0.3 oz)
Li metal content		approx. 0.3 g
Available termin	action suffix	

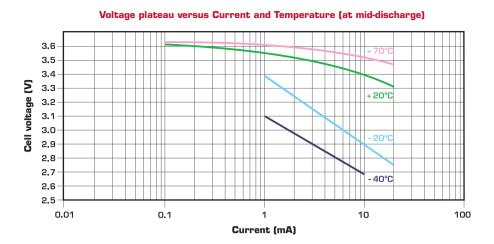
Available termination suffix

	CN, CNR	radial tabs	
	2 PF, 3 PF, 3 PF RP, 4 PF	radial pins	
	CNA (AX)	axial leads	
	FL	flying leads <i>etc</i> .	

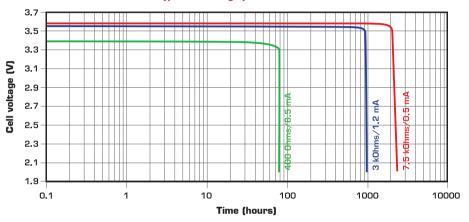


LS 14250W

Ø 4.2 min 5.5 max (flat area) 24.65 ± 0.5 0.4 ± 0.1 Ø 14.44 0 7.5 ± 0.1 (flat area) Ø 7.5 ± 0.1 (flat area) Dimensions in mm.







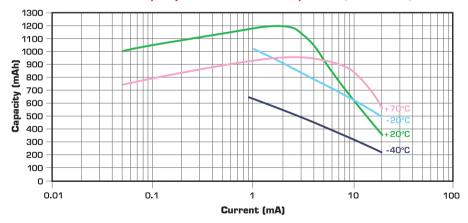
Storage

• The storage area should be clean, cool (preferably not exceeding + 30°C), dry and ventilated.

Warning

- Fire, explosion and burn hazard.
- Do not recharge, short circuit, crush, disassemble, heat above 100°C (212°F), incinerate, or expose contents to water.
- Do not solder directly to the cell (use tabbed cell versions instead).

Restored Capacity versus Current and Temperature (2.0 V cut-off)



Saft

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