Primary lithium battery LM 17130

3 V Primary lithium-manganese dioxide (Li-MnO₂) High power ½ A-size spiral cell

For applications requesting excellent voltage response and operating life in - $40^{\circ}C/+70^{\circ}C$ environments.

Benefits

- High voltage response, stable during most of the lifetime of the application
- Minimum voltage delay after long dormant periods
- Competitive capacity at high current and low temperature
- Easy integration into compact systems
- Low self-discharge rate (less than 2 % after 1 year of storage at + 20°C)

Key features

- Ni plated steel container
- Hermetic seal construction
- Integrated safety vent
- Non-corrosive electrolyte
- Non-restricted for transport

Main applications

- Measuring equipment
- Industrial applications
- Professional electronics

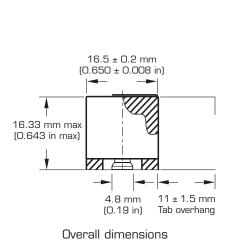
17130 3V Li-MnO

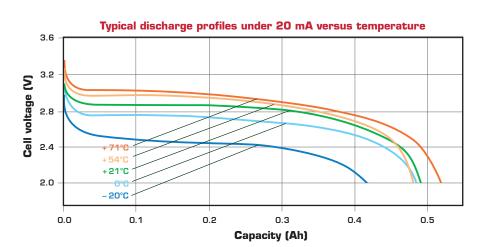
SAFT

Cell size refere	ences		1∕з А
Electrical charact	teristics		
(typical values relative	e to cells stored for c	one year or less at + 30°C ma	x.]
Nominal capacity			500 mAh
(at 4.5 mA + 20°C 2 according to current	,	acity restored by the cell varie and cut-off)	95
Open Circuit Voltage	(at + 20°C)		approx. 3.2 V
Nominal voltage	(under 1 mA at + 2	20°C)	3.0 V
Pulse capability			400 mA
Maximum recommen (to maintain cell heat			300 mA
Storage	(recommended) (for more severe c	conditions, consult Saft)	+ 30°C (+ 86°F) max
Operating temperatur (Operation below amb lower voltage reading	bient T may lead to re	educed capacity and	- 40°C∕+ 70°C (- 40°F∕+ 158°F)
Physical characte	eristics		
Diameter (max)			16.7 mm (0.658 in)
Height (max)			16.33 mm (0.643 in
Typical weight			8 g (0.28 oz)
Li metal content			approx. 0.2 g
Available termination	suffix CN, CNR FL	radial tabs flying leads et	с.
	(Other cell finishes	available, consult Saft)	
	,		

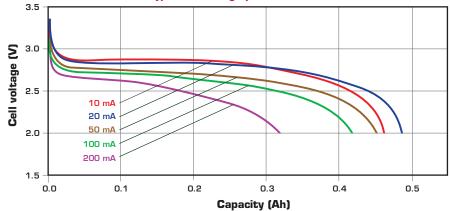


LM 17130









Storage

 Keep storage area clean, cool, dry and ventilated.

Warning

- Fire, explosion and burn hazard.
- Do not recharge, short circuit, crush, disassemble, heat above 70°C (158°F), incinerate, or expose contents to water.
- Do not solder directly to the cell (use tabbed cell versions instead).

Saft

Specialty Battery Group

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

For more details on primary lithium technologies please refer to Primary Lithium Batteries Selector Guide Doc $N^{\rm o}$ 31048-2.

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