

### LITHIUM MANGANESE DIOXIDE:

## CR18505

#### **Key Characteristics**

High and stable operating voltage

Low self-discharge rate(less than 3% after 1

year storage at 25°C

Operating temperature (-40°C~+60°C)

Hermetic glass-to-metal sealing

Nickel-plated steel container

Organic electrolyte

Spiral type

UL (MH48131), CE

http://database.ul.com/cgi-

bin/XYV/template/LISEXT/1FRAME/showpage.html?name=BBCV2.MH48131 &ccnshorttitle=Lithium+Batteries+-

 $+ Component \& objid = 1081630466 \& cfgid = 1073741824 \& version = versionless \& parent\_id = 1073747351 \& sequence = 1$ 

#### ISO9001:2008 approved

#### Warning

Fire, explosion and severe burn hazard.

Do not recharge, crush, disassemble, heat, above 212 F (100°C), incinerate, short circuit or expose contents to water.

Do not reverse the positive and negative pole of battery while using it.

Do not solder directly on the battery.

Dispose of used batteries promptly.

Please see latest guidelines, cautions and MSDS online:

http://en.globtek.com/safety-cautions/

#### **Characteristics**

Chemistry:	Lithium Thionyl Chlo	oride Li Socl2 Batteries
Nominal capacity (10mA-2.0v)		2500mAh
Nominal voltage		3.0v
Max. constant current		2000mA
Max. pulse current		3000mA
Weight		35g
Volume		18.5 X 50.5mm
Workable temperature		-40 ~+60°C





#### **Main Applications**

Utility meters (electricity meters, water meters, gas meters.

Security systems (door lockers, smoke alarm sensors, detectors)

CMOS memory and RTC backup

Vehicle tracking

Industrial clocks

Sea buoys, remote monitoring systems, industrial clocks

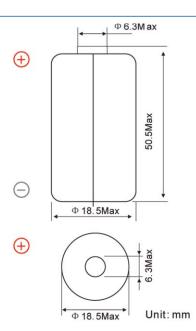
Military electronics

Note: Any information here is for reference only. Information is also dependent on actual conditions of use does not guarantee future performance. And subject to change.



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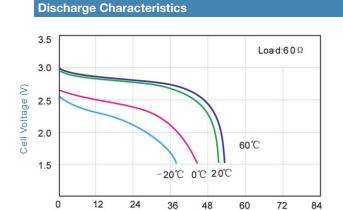


**Voltage vs Temperature** 3.5 23±2℃ 3.0 Cell Voltage (V) 2.5 2.0 1.5  $\begin{array}{ll} 20\Omega & 20\,\Omega \\ \approx \! 240 \text{mA} \approx \! 125 \text{mA} \end{array}$ 120 Ω ≈23mA 15 30 0 45 60 75 90 105 Time (h)

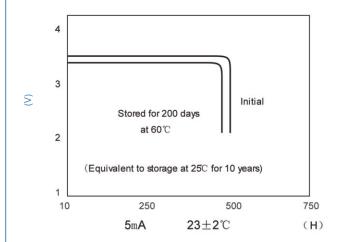
Available terminations:

- -/P axial pins
- -T/PT2 radial pins
- -/PT/TP polarized tabs

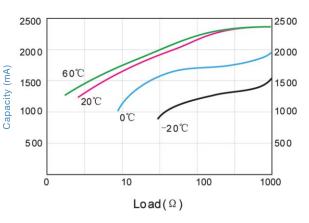
Available terminations can be made as requested.



#### Storage Characteristics



#### **Capacity vs Current**



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