

KEY FEATURES

- High and stable operating voltage
- Wide range temperature
- Low self-discharge rate less than 1% per year
- Stainless steel container
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- ROHS,CE,UN38.3 & ISO9001 approved

ELECTRIC CHARACTERISTICS

(Typical values for cells stored for one year or less at 25°C)

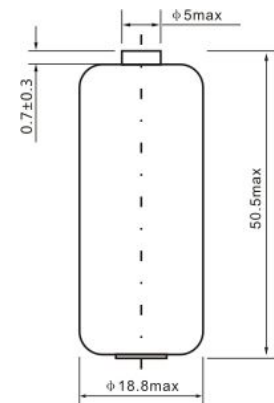
Nominal Capacity	3.5Ah
(At 5.0 mA, +25°C, 2.0V cut off, The capacity restored by the cell varies according to current drain,temperature and cut off voltage.)	
Nominal Voltage	3.6V
Max.Recommended Continuous Current	1000mA
(To get 50% of the nominal capacity at +25°C with 2.0V cut off.)	
Pulse Capacibility	2000mA
(2000mA/0.1S pulses,drained every 2mins at 25°C from undischarged cells with 10µA base current,yield voltage readings above 3.0V,The readings may vary according to the pulse characteristics,the temperature and the cells' previous history.Fitting cell with capacitor may be recommended in severe conditions)	
Storage (recommended)	30 °C
Operating Temperature Range	- 55°C~+ 85°C
(Operating at temperature different from ambient may lead to reduce capacity and lower voltage plateau readings.)	
Weight	30g

ER18505M

Lithium Thionyl Chloride
(Li-SOCl₂) Battery



International size reference: A



Unit:mm

-/P.....axial pins

-/PT2.....radial pins

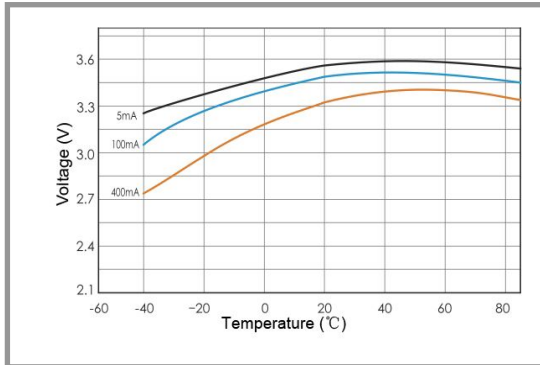
-/PT/TP.....polarized tabs

Available terminations can be made as requested

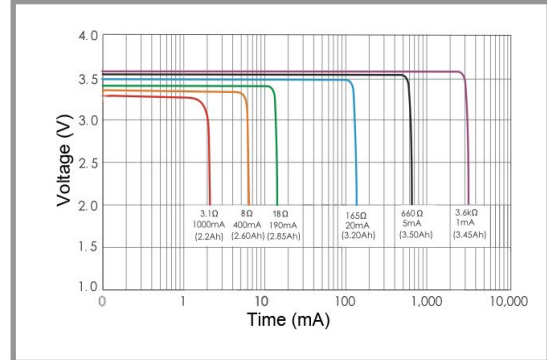
WARNING: Fire,explosion and severe burn hazard.Do not recharge,crush,disassemble, heat above 100°C,incinerate or expose contents to water.

Note: Any representations in this data sheet concerning performance are for informational purpose only.

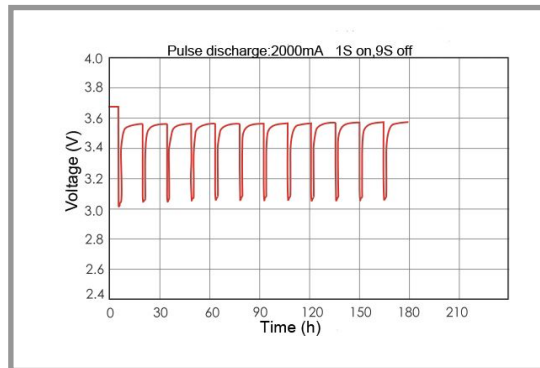
1. Voltage vs Temperature



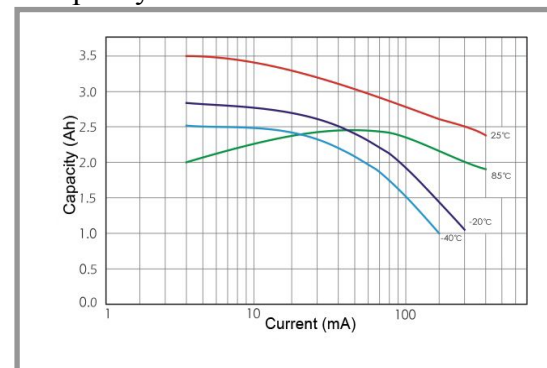
2. Discharge Characteristics



3. Pulse Characteristics



4. Capacity vs Current



PRODUCT APPLICATIONS

- Intelligent Meters: Electricity meter, Water meter, Gas meter etc.
- Wireless alarm systems: Smoke alarm sensors, Temperature monitors etc.
- Remote monitoring systems: GPS, Sea buoys, Life-jacket lights etc.
- Memory backup: CMOS memory, computer backup power, RTC real time clock etc.
- Auto electric industry: Auto security systems, tire-pressure monitoring system etc.
- Military electronics: Radio communication, Night vision equipment, Tracking systems etc.

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