



ER1 8505

Lithium Thionyl Chloride Battery [Bobbin Type]
Li/SOCl₂ 3.6V



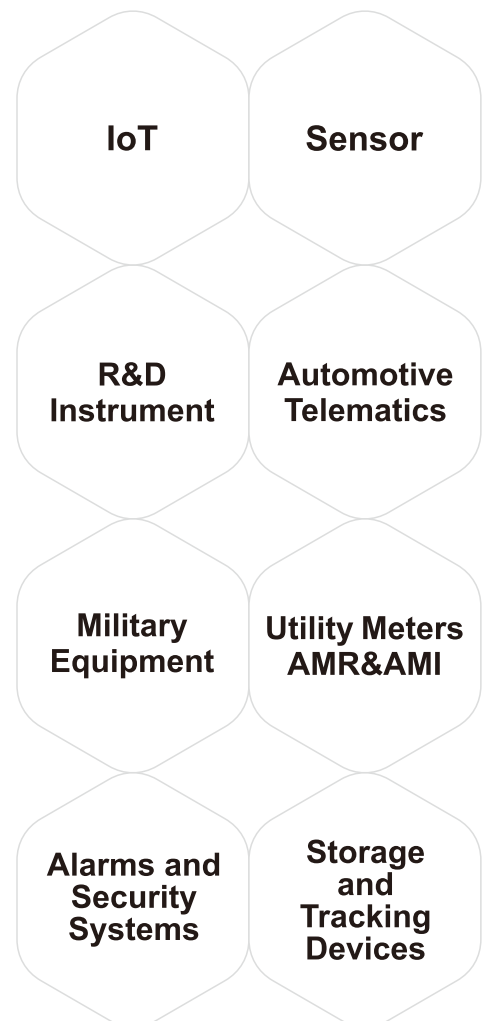
• Eletrical Specification

Nominal Capacity[2mA~2V]	4.1Ah
<i>The discharge capacity of battery depends on the environment temperature and the terminated voltage of the battery.</i>	
Nominal Voltage	3.6V
Maximum Continuous Current	80mA
Maximum Pulse Current	150mA
<i>Under temperature of 23±2°C, the battery starts to discharge with 10µA base current. The battery releases one pulse 150mA/0.1secs every 2 minutes during its discharging and the battery voltage shall not be less than 2.7V. The voltage value depends on pulse characteristics, temperature and the usage of the batteries.</i>	
Weight	29g
Operating Temperature	-55°C ~ +85°C

• Advantages

- High energy density over 620wh/kg [highest among all the chemical batteries]
- Open circuit voltage ≥ 3.65V, and operating voltage ranging from 3.3~3.6V
- Wide operating temperature range: -55°C ~ +85°C
- Long storage life over 10 years [under normal room temperature]
- Suitable to operate under long-term tiny current with stable voltage

• Main Applications



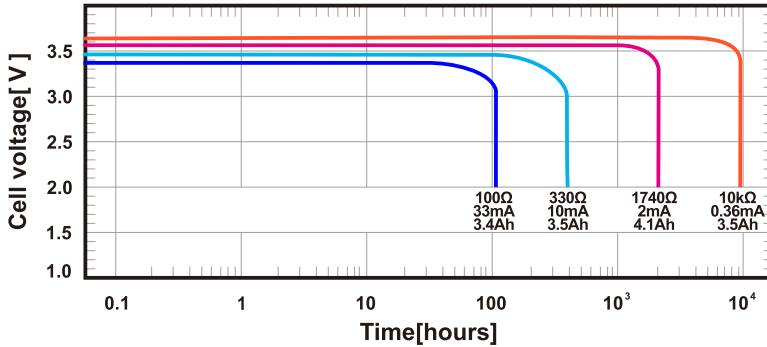
**Customer Satisfaction is the Purpose We Always Adhere to,
Continuous Improvement is the Direction We Always Pursue!**



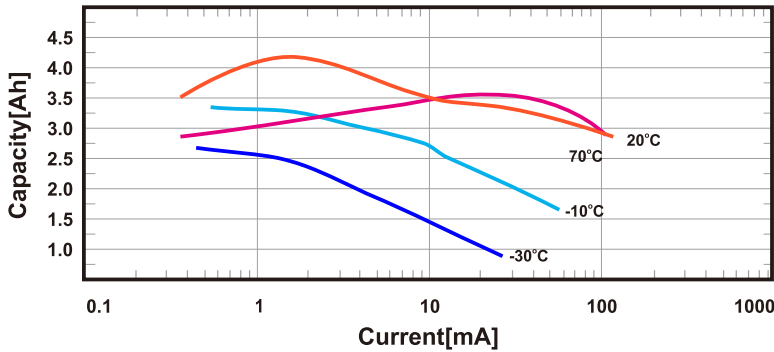
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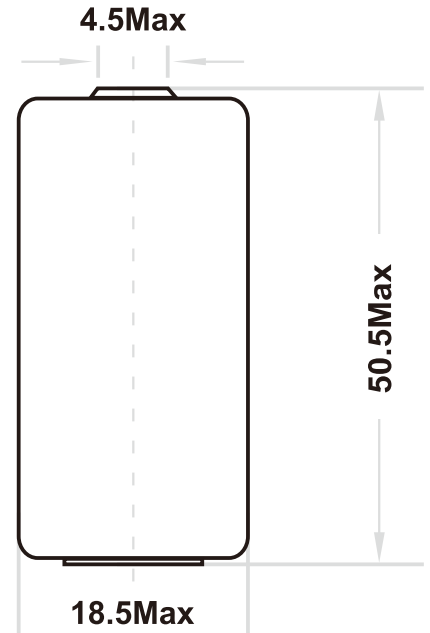
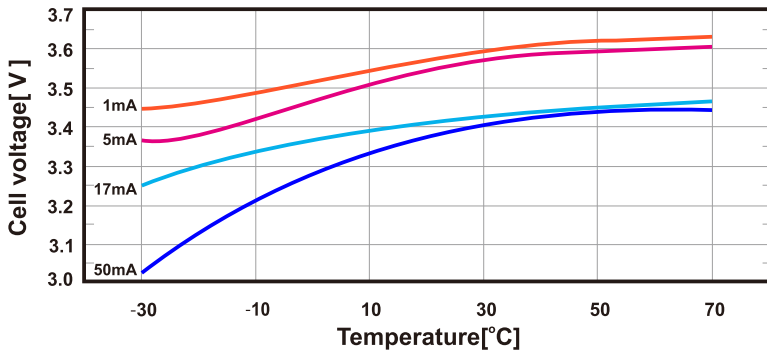
Typical Discharge Profiles at +23±2°C



Restored Capacity Versus Current and Temperature [2.0V cut-off]



Voltage Plateau Versus Current and Temperature



Available Terminations

- S: Standard Termination
- T: Solder Tabs
- P: Axial Pins
- Customized terminations are available

Warning

- Do not expose the battery to open flame, inflammable and explosive articles.
- Do not recharge, short-circuit, disassemble, incinerate the battery or heat the battery to more than 100°C.
- Do not use the battery beyond the permitted temperature range.



Smart Battery Solutions...

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