

**LITHIUM BATTERIES**



**ER18505  
3.6V 3800mAh**

**lithium-thionyl chloride batteries**

**Electrical characteristics**

(Stored for one year or less)


◉ Nominal Capacity ( 3 mA to 2.0V, at 25°C)	3800mAh
◉ Nominal voltage	3.6V
◉ Max continuous discharge current	100mA
◉ Max. Pulse current Current value is obtaining 2.0V cell voltage when pulse is applied for 15 seconds at 50% discharge depth at 25°C	200mA
◉ Storage temperature	20°C ~ 30°C
◉ Operating temperature	-55°C ~ 85°C
◉ Weight(approx)	31g

**WARNING:**

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

**Key features**

- High and stable operating voltage
- Low self-discharge rate  
Less than 1% after 1 year of storage at 20°C
- Stainless steel container
- Hermetic glass-to-metal sealing
- Non-flammable electrolyte
- Compliant with IEC 86-4 safety standard
- Non-restricted for transport

 UL Component Recognition  
File Number MH 45782

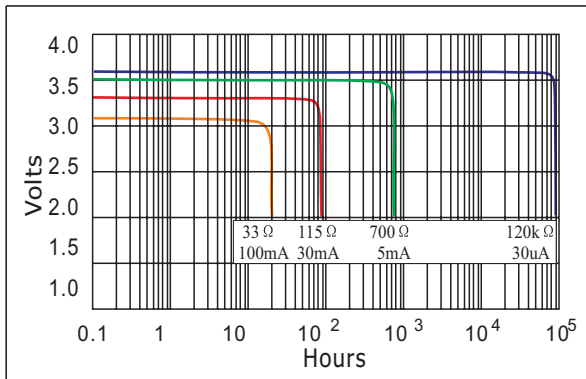
**Main applications**

- TPMS
- Alarms and security system
- Memory back-up
- Tracking system
- Automotive electronics
- Professional electronics
- Computer real-time clocks

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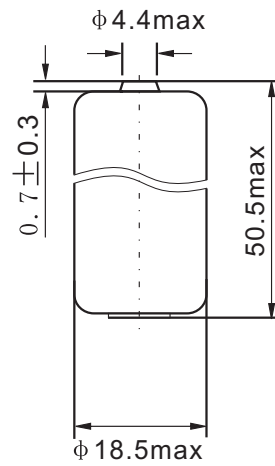
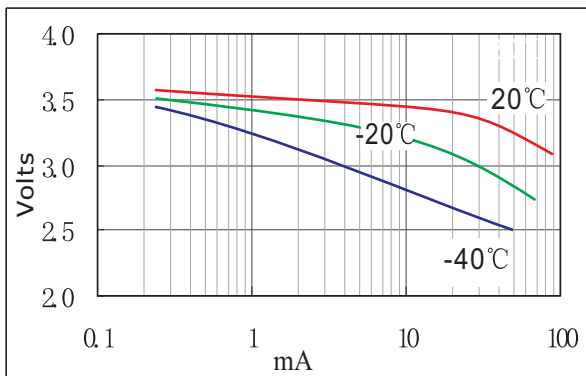
Typical discharge at 25°C



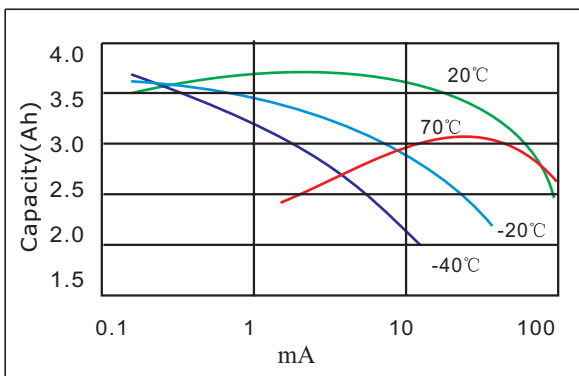
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Voltage plateau versus Current and Temperature



Capacity versus Current and Temperature



Unit: mm

Available Terminations		
-/P		Axial Pin
-/T	/PT2	Radial Pin
-/PT	/TP	Polarized Tab