

P/N: ER14250SM
SIZE: 1/2AA

HIGH TEMPERATURE LITHIUM CELL
Lithium Thionyl Chloride (Li/SOCl₂)

CROSS REFERENCE
12-24-150LR: 4161;
PMX150: 3B5700;

1. Electrical Characteristics

1.1 Nominal voltage (Rated 36KΩ load (0.1mA) at +25°C):	3.6V
1.2 Nominal capacity (Rated 10mA at +145°C, 2.0V cut-off):	650mAh
1.3 Maximum recommended continuous current:	50mA
1.4 Operating temperature range (-22°F to 302°F):	-30°C to +150°C
1.5 Self-discharge rate (per year at +25±2°C storage):	≤ 2%
1.6 Typical Weight:	10 grams
1.7 Lithium Content (for transportation):	0.21 grams

Features

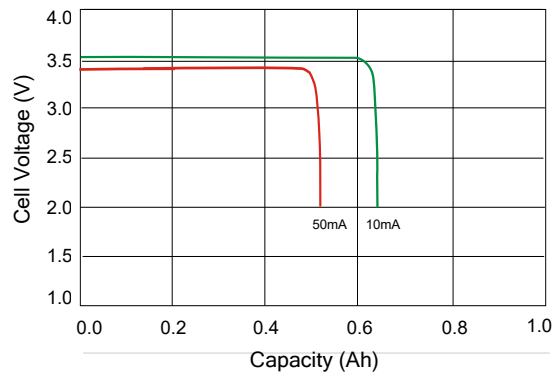
- High & stable operating voltage
- High energy density
- Reliable and longer performance
- Long shelf life over 10 years
- Stainless steel construction
- Hermetic glass-to-metal seal
- UL recognition file No. MH45994

Applications

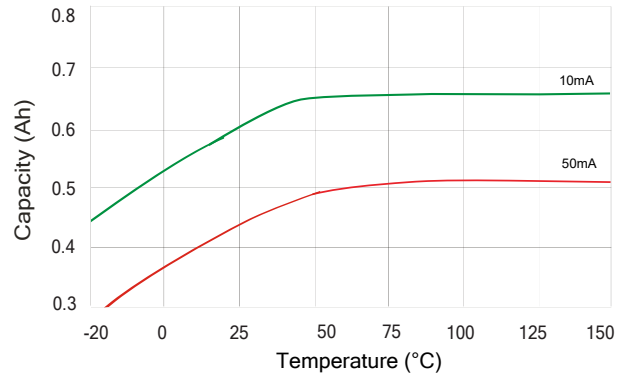
- Special utility meters
- Tracking and data logging
- Mining and oil well drilling
- Remote transmitting systems
- Automobile monitoring devices
- Electronics equipment

2. Cell Performance

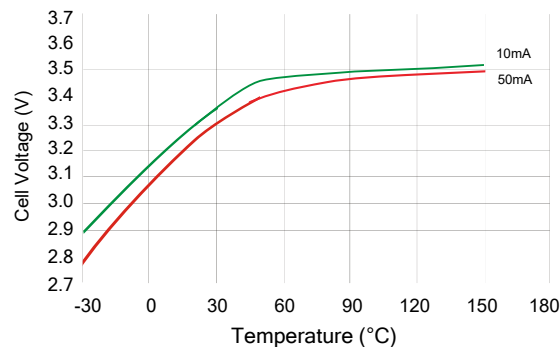
Typical Discharge Profile at 145°C



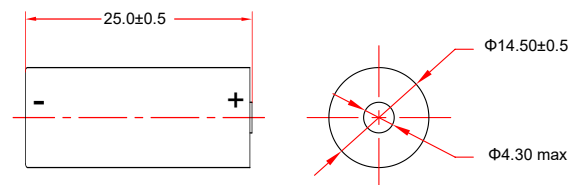
Capacity Temperature



Voltage versus Temperature



3. Product Drawing (dimensions in mm)



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