

P/N: ER1425SMP
SIZE: 1/2AA with leads

HIGH TEMPERATURE LITHIUM CELL
 Lithium Thionyl Chloride (Li/SOCI₂)

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

1. Electrical Characteristics (typical values for a cell in storage for one year or less at +25±2°C)

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: - Retaining 70% nominal capacity at +25±2°C, 2.0V cut off; Higher current possible subject to operation conditions.	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

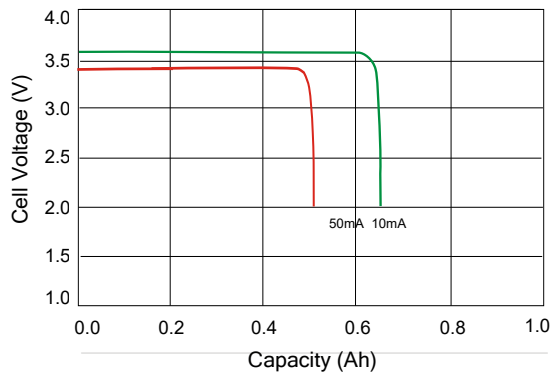
- High & stable operating voltage
- High energy density
- Reliable and longer performance
- Long shelf life over 10 years
- Stainless steel construction
- Hermetic glass-to-metal seal
- UL recognition file No. MH45994

Applications

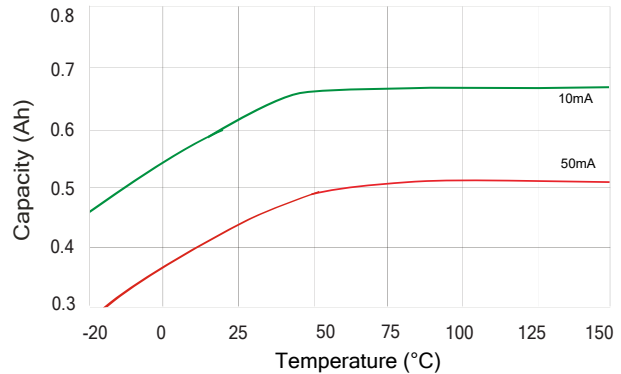
- Special utility meters
- Tracking and data logging
- Mining and oil well drilling
- Remote transmitting systems
- Automobile monitoring devices
- Electronics equipment

2. Cell Performance (typical values for a cell in storage for one year or less at +25±2°C)

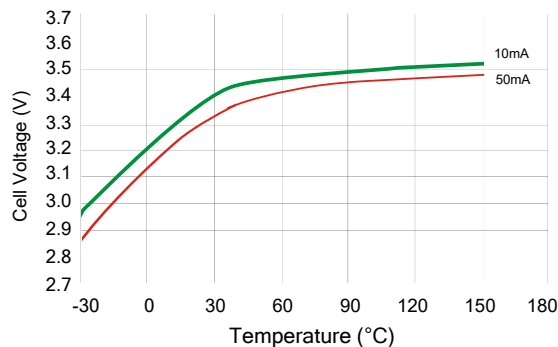
Typical Discharge Profile at 145°C



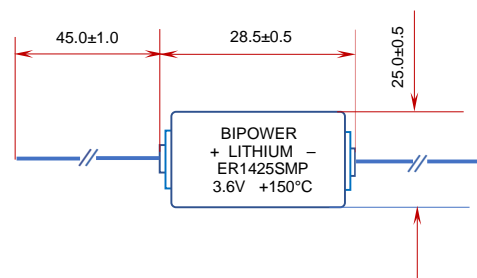
Capacity Temperature



Voltage versus Temperature



3. Product Drawing (dimensions in mm)



Product specifications are subject to change without prior notice. Any presentation in this data sheet concerning performance is for information purpose only and not warranties, either expressed or implied, of future performance.