

P/N: ER18505M

HIGH POWER SPIRAL LITHIUM CELL
Lithium Thionyl Chloride (Li/SOCI₂)

CROSS REFERENCE

ELECTRICAL CHARACTERISTICS

(Typical values for a cell in storage for one year or less at +30°C max.)

Nominal voltage:	3.6V
Nominal capacity: (At 5mA, +25°C, 2.0V cut off. Discharge capacity may vary with current drain, temperature and cut off voltage)	3.5Ah
Maximum recommended continuous current:	500mA
Maximum pulse current: (A cell discharged at current 20µA pulsed at 1000mA for 0.1 seconds every 2 minutes at +25°C yields min. 2.7V voltage reading. The values may vary subject to different pulse conditions.)	1000mA
Operating temperature range: (Operation at different temperatures may lead to changes in capacity)	-55°C / +80°C (-67°F / +176°F)
Typical weight:	30g

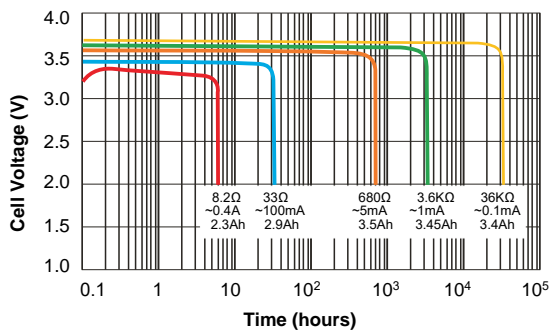
Features

- Hermetic glass-to-metal sealing
- Pressure release design
- High drain/pulse capacity
- High voltage response
- Wide operation temperature range
- UL file no. MH45994

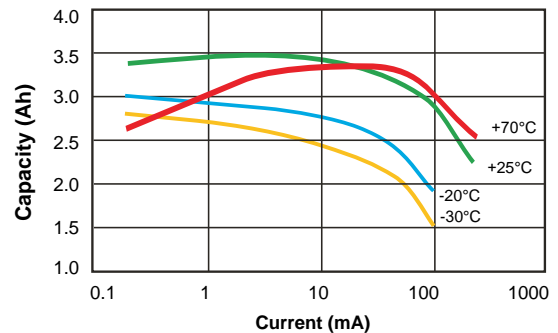
Applications

- Military
- Radio communication
- Alarms and security systems
- Emergency location transmitters
- Metering systems

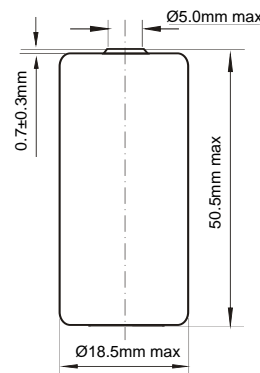
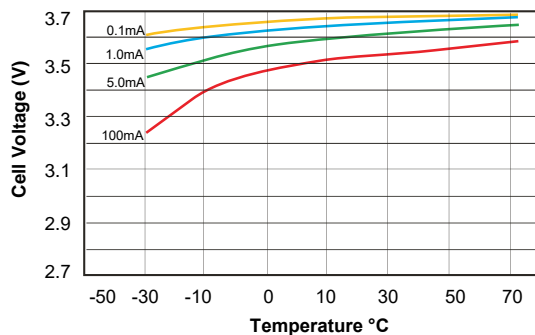
Typical discharge profile at 25°C



Capacity versus Current and Temperature



Voltage versus Current and Temperature



Available terminations

- Axial leads
- Radio pins
- Polarized tabs

Custom terminations available upon request

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.