

P/N: ER17505M

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

SIZE: A

ELECTRICAL CHARACTERISTICS

| | |
|---|-----------------------------------|
| Nominal voltage (@25°C): | 3.6V |
| Rated capacity: (At 5mA, +25°C 2.0V cut off. Discharge capacity may vary with drain, temperature and cut off voltage) | 3.0Ah |
| Maximum recommended continuous current: | 1000mA |
| Maximum pulse current: 2000mA pulse in 0.1 second every 2 minutes on base current 25µA from a cell 50% drained at 5mA, 25°C, yielding voltage over 2.7V The value may vary subject to operation conditions. | 2000mA |
| Operating temperature range: (Operation at different temperatures may lead to changes in capacity) | -55°C / +80°C (-67°F / +176°F) |
| Cell diameter (max.): | 17.5mm |
| Cell height (max.): | 50.5mm |
| Typical weight: | 26g |

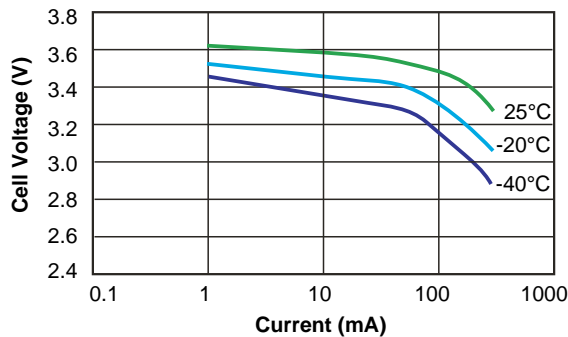
Features

- Stainless steel container
- Hermetic glass-to-metal sealing
- Pressure release design
- High drain/pulse capacity
- UL Recognition File No. MH45994

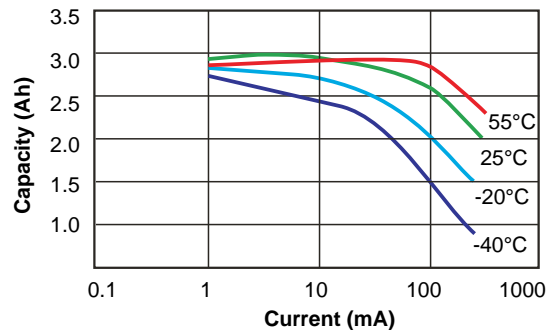
Applications

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

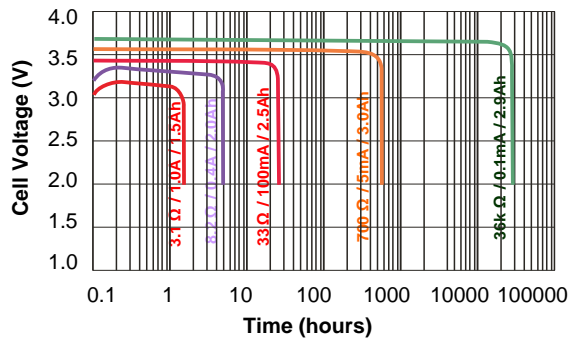
Cell Voltage versus Current and Temperature



Capacity versus Current and Temperature



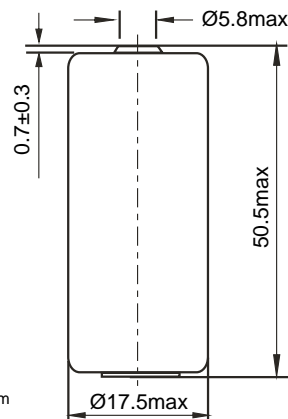
Typical discharge profile at 25°C



Available terminations

- /P: Axial leads
- /T, -/PT2: Radio pins
- /PT, -/TP: Polarized tabs

Custom terminations available upon request



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.