

P/N: ER14505MR
SIZE: AA

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

CROSS REFERENCE
14-50-150R - 4204
PMX150 - 3B1065

Electrical Characteristics

(Typical values of a cell in storage for six months or less at +30°C max.)

Nominal voltage (36KΩ load @+20°C)	3.6V
Nominal capacity at +20°C: - Rated at 3.6KΩ (1mA) discharge @+20°C, 2.0V cut-off voltage	1.6Ah
Recommended maximum continuous current: - Retaining 50% nominal capacity at +20°C, 2.0V cut off (higher continuous current can be reached)	80mA
Operating temperature range: (-40°F to 293°F)	-40°C to +145°C
Storage temperature (recommended)	+30°C (86°F) max.
Self-discharge rate per year (at +20°C storage temperature)	≤ 2%
Dimensions max. (diameter x height)	14.5mm x 50.5mm
Typical weight:	19g
Lithium content:	0.42g

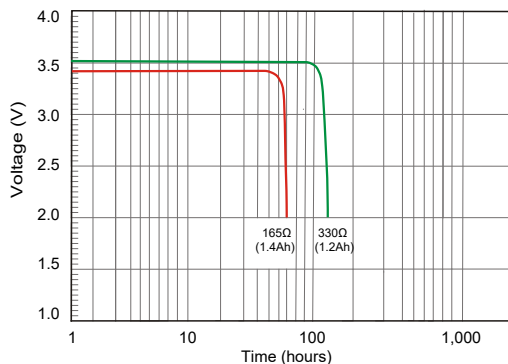
Features

- 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

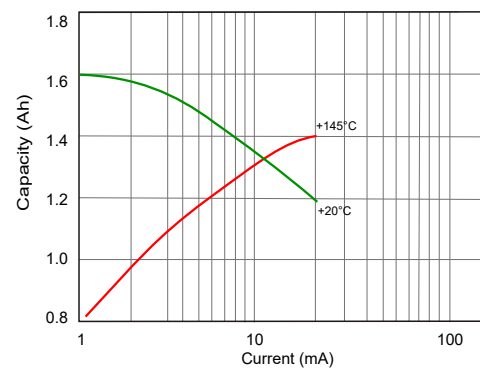
Applications

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

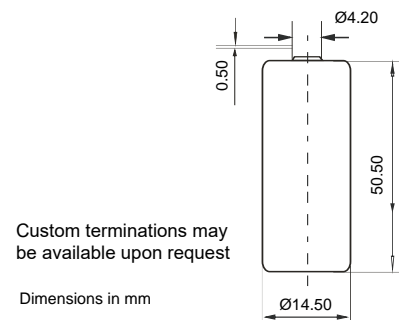
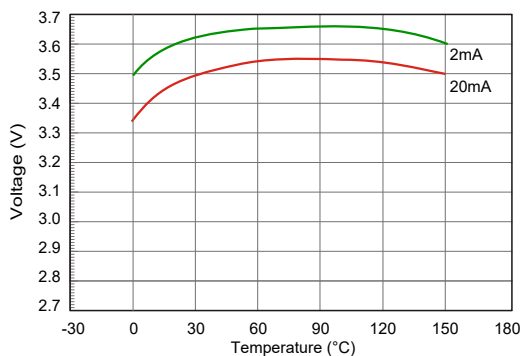
Discharge profile at 145°C



Capacity vs current & temperature



Voltage vs temperature & current



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.