



High Power  
Spiral AA Cell

Primary Lithium Battery

ER14505M 3.6V 2Ah

3.6V Primary lithium-thionyl chloride  
(Li-SOCl<sub>2</sub>) Power Type



For higher drain/pulse term operating applications requesting superior voltage response in -55°C ~+85°C environments

Cell size references

UM3-R6-AA

Alternative models

LST14500

Electrical characteristics

(Typical values relative to cells stored for one year or less at +30°C max.)

Nominal capacity 2Ah

(At 1mA +20°C, 2.0V cut off. The capacity restored varies according to current, temperature, cut off)

Open circuit voltage (At 20°C) 3.66V

Nominal voltage (At 1mA +20°C) 3.6 V

Max. continuous current (at +20°C) 400mA

Typical Max. Pulse current (at +20°C) 800mA

Pulse capability: Typically up to 800mA (800mA/0.1second pulses drained every 2min at 20°C from cells with 20µA base current, yielding voltage readings above 3.0V. The readings may vary according to pulse characteristics, temperature and cell's previous history. Fitting the cell with a capacitor may be recommended in severe conditions. Consult ACT if necessary)

Storage (recommended) +30°C Max

Operating temperature range (High and low temperature will lower the capacity and load voltage.) -55°C ~+85°C

Physical characteristics

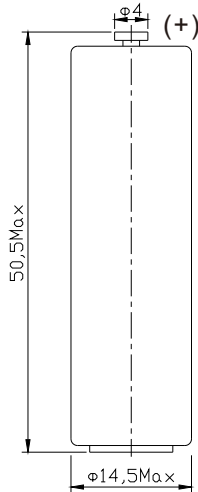
Diameter(Max) 14.5mm

Height(Max) 50.5mm

Typical weight 19g

Available terminal suffix radial tabs, radial pins, axial leads, flying leads

## ER14505M



### Key features

- >High and stable load voltage
- >Superior drain capacity
- >Low self-discharge rate  
(less than 1% after 1 year of storage at 20°C)
- >Stainless steel container
- >Hermetic glass-to-metal sealing
- >Notch technology for safety vent is recommended
- >Non-flammable electrolyte

### Main applications

- >Radiocommunication and other military applications
- >Alarms and security systems
- >Beacons and emergency location transmitters
- >GPS equipment
- >Metering systems
- >Sonobouys
- >Led lighting applications
- >Others

### Storage

- >Cells should be stored in a clean & dry (less than 30% RH) area
- >Temp. should not exceed +30°C

### Warning

- >Do not use if cell casing is mangled
- >Do not use different model of cell in series
- >Soldering the tag should be finished in few seconds
- >Do not try to recharge

