

## Primary Lithium Battery

# ER1860 3.6V

Primary lithium-Thionyl Chloride  
(Li-SOCl<sub>2</sub>) Bobbin type

For low drain/long term operating  
Applications requesting superior voltage  
response in -55°C~+85°C environments

### Electrocal characteristics

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

Nominal capacity 0.28Ah

(At 0.5mA +20°C, 2.0V cut off. The capacity restored varies according to current, temperature, cut-off-voltage)

Nominal voltage (20°C) 3.6V

Max. continuous current (20°C) 5mA

Typical Max. pulse current (20°C) 10mA

Pulse capability: Typically up to 10mA(10mA/0.1 second pulses drained every 2min at 20°C from cells with 10µA base current, yielding voltage readings above 2.5V. The readings may vary according to pulse characteristics, temperature and cell's previous history. Consult ACT if necessary)

Storage(recommended) +30°C Max

Operating temperature range -55~+85°C

(High and low temperature will lower the capacity and load voltage)

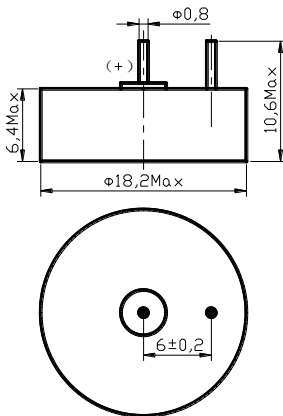
### Physical characteristics

Dimension(Max) φ 18.2\*6.4mm

Typical weight 5.5g

**RoHS**

## ER1860



### 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
- >Laser welding
- >Non flammable electrolyte

### Main applications

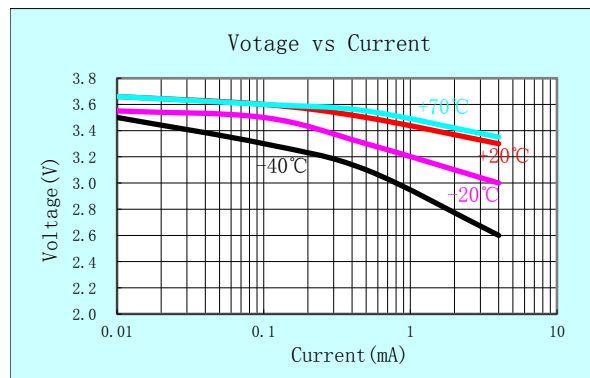
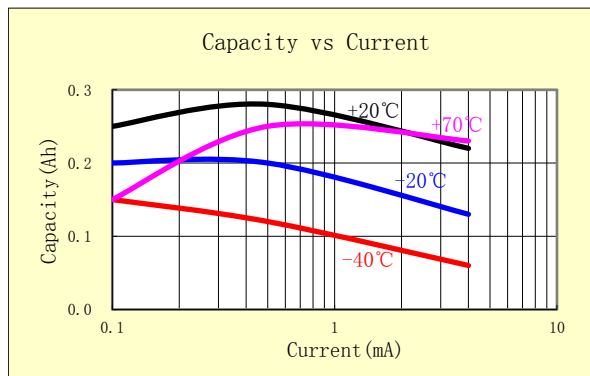
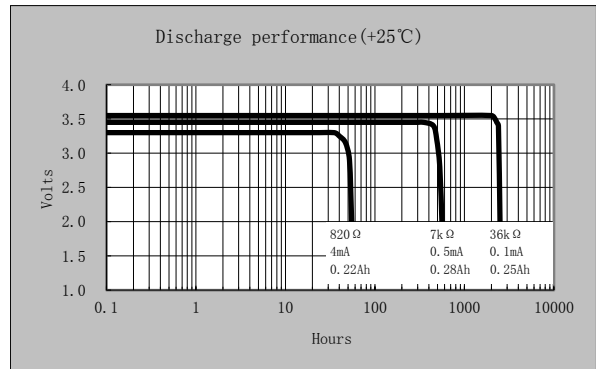
- >Radio communication and other Military applications
- >Alarms and security systems
- >RFID
- >Beacons and emergency location transmitters
- >GPS equipments
- >Metering systems
- >Led lighting applications
- >Others

### Storage

- >Cells should be stored in a clean & dry (less than 70%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
- >Do not try to recharge
- >Do not throw into fire



UL No. MH49354