



**Ahead Cell Technology Co.,Ltd**

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## Primary Lithium Battery

CR11108 3.0V

Primary lithium-manganese dioxide  
(Li-MnO<sub>2</sub>)

Alternative models CR1/3N

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### Electrical characteristics

Nominal capacity 170mAh  
(At 0.5mA +20°C, 2.0V cut off. The capacity restored varies according to current, temperature, cut off)

Nominal voltage 3.0V

Max. continuous current (at +20°C) 60mA

Typical Max. continuous current (at +20°C) 80mA

Pulse capability: Typically up to 80mA (80mA/0.1second pulses drained every 2min at 20°C from cells with 10µA base current, yielding voltage readings above 2.0V. 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 -40°C~+60°C  
(High and low temperature will lower the capacity and load voltage.)

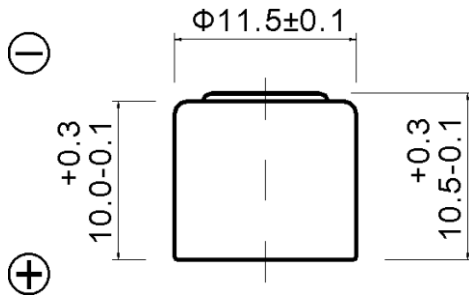
### Physical characteristics

Diameter(Max) 11.6mm

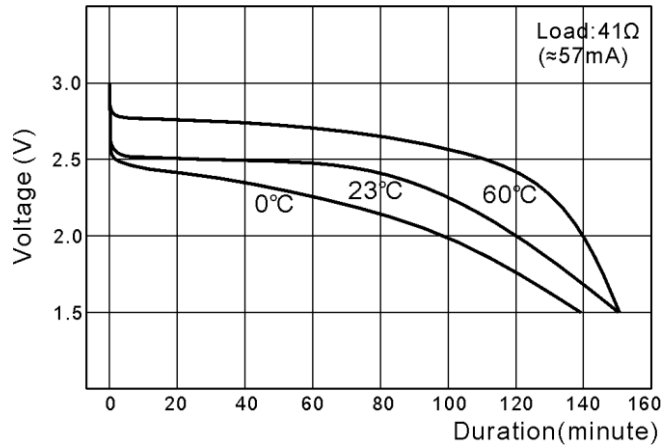
Height(Max) 10.8mm

Typical weight 3g

## CR1/3N



Discharge curve at various temperatures



### 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)

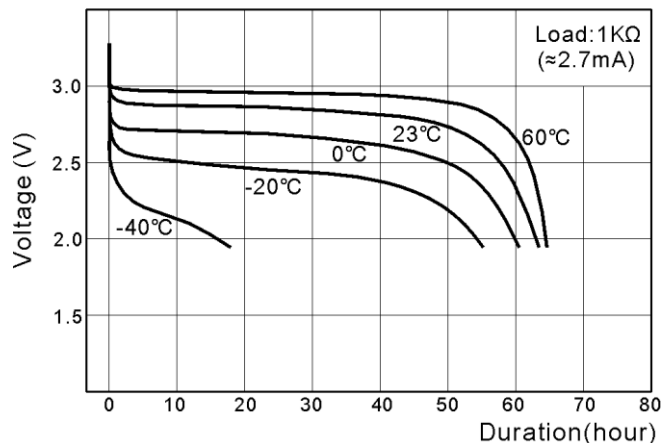
### Storage

- >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
- >Soldering the tag should be finished in few seconds
- >Do not try to recharge

Discharge curve at various temperatures



Discharge curve at various currents

