



WAMA ELECTRONICS TECH CO.,LTD

Chemical System : Coin Type Manganese Dioxide Lithium battery

Model No. : CR1025

Nominal Dimensions: $\Phi 10.00 \times 2.50\text{mm}$

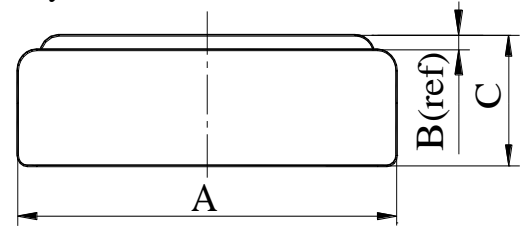
Nominal Voltage : 3.00V

Average Weight : 0.60g

Applications : Watch, calculator, electronic toy, etc.

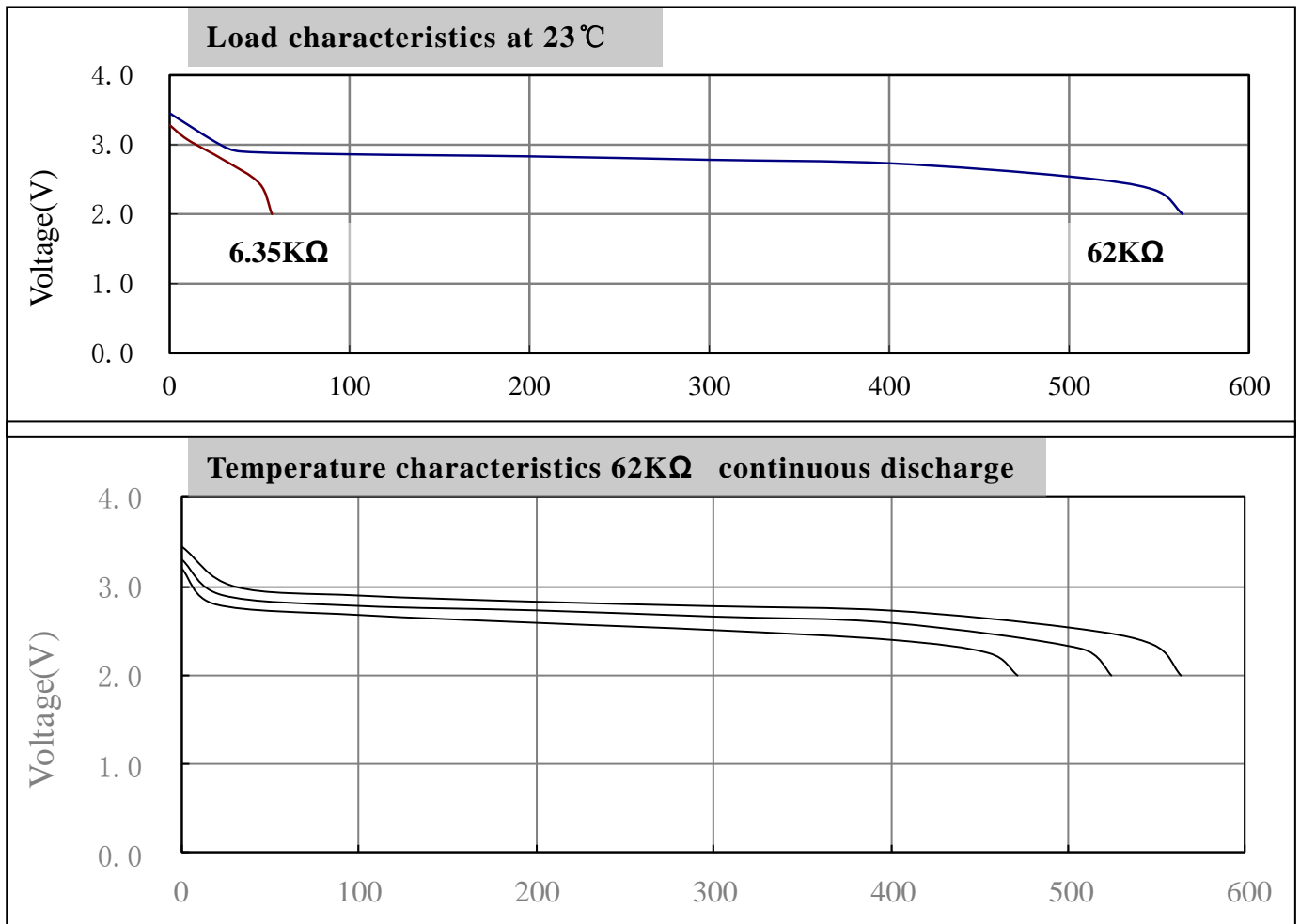
Shelf Life : Not less than 95% of the service capacity, following 1st year storage at 20°C.

Standard Capacity : 40mAh (continuous discharge at 20°C under 0.10mA discharge current to 2.0V voltage)



Dimensions	Unit: mm
A	9.80----10.00
B	0.10(ref)
C	2.30----2.50

Typical Discharge Time(hours)



Material of Lithium Battery CR1025

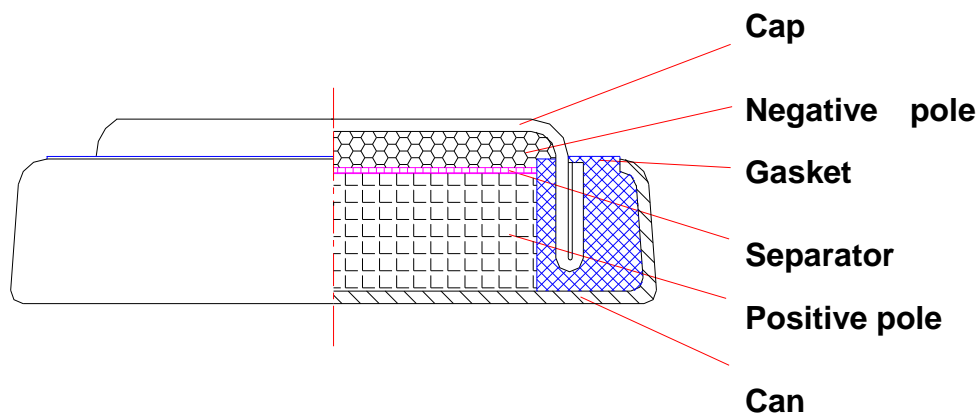
Positive Pole: EMD、Acetylene black、 Graphite。

Negative Pole: Lithium。

Electrolyte: LiClO_4 、 PC、 DME。

Separator: Polyacrylate felt。

Structure:



The material of the battery case is made of **stainless steel SUS 304**. There is **no** surface finishing made on the battery case material.

1. Attached please find the **flow chart on quality control and the quality assurance system**.
2. **Complaint Management**

If the complaint is received from customers, the **planning and control** department will file a complaint report to the QC Department and the QC Department will analyze the cause and discuss with the relevant departments for control and quality check. At the same time, an analysis report on prevention measures will be issued to relevant departments for review and taking correction actions. QC department will be responsible for the follow up of the actions taken and improvements made. Customers will be informed of the reports and the actions taken.

Quality Assurance

3. If there is problem during production, the QC Department or the Engineering Department will check and discuss. A report on analyzing the problem will be made.
4. If problem is found, QC Department or Engineering Department will use the following equipment to check the battery :
 - 4.1 Use of **digital multimeter** to check the voltage and current of the battery;
 - 4.2 Use of **projector** to check the R position (curvature) of the sealing edge;
 - 4.3 Use of **dial caliper** to check the size of the battery such as the outer height, inner height, inner diameter and outer diameter and the use of **resistance** to check the discharge conditions.

Standards

5. The standards we are using for testing the battery is according to the International Electrical Committee **IEC86-1**.