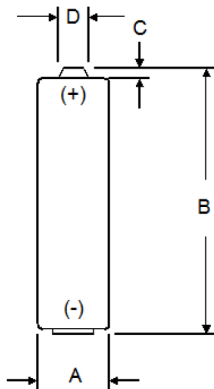
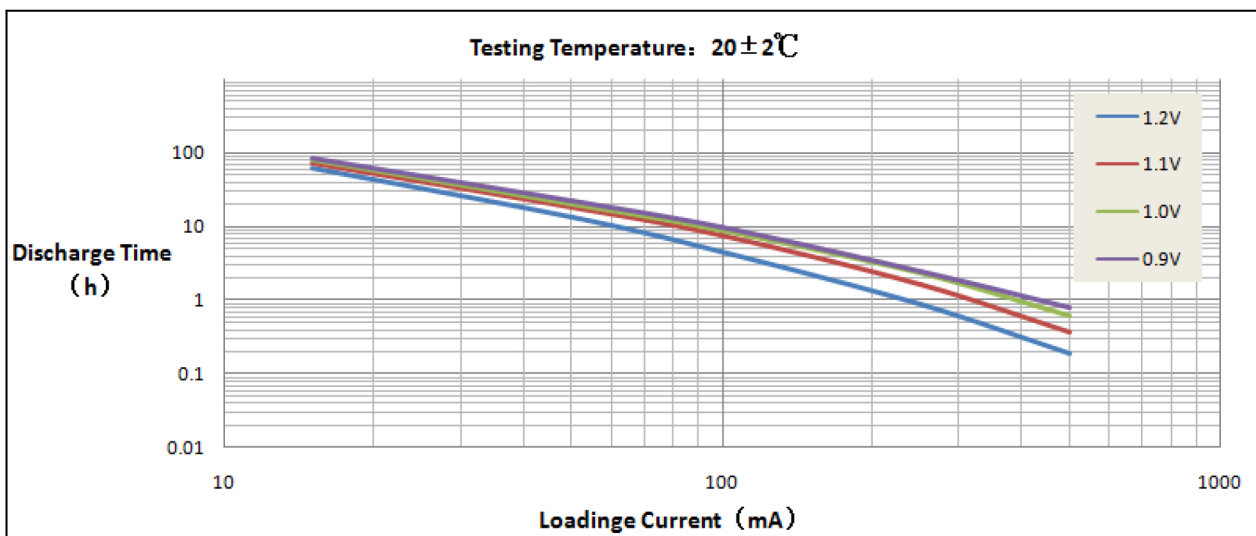


Model	:	IEC-LR03	ANSI-AAA
System	:	Zn/MnO <sub>2</sub>	
Nominal Voltage (V)	:	1.5V	
Capacity (mAh)*	:	Approximate 1200mAh (10mA-24h/d, 20±2°C, EV=0.8V)	
Operation Temperature	:	-20°C~54°C	
Typical Weight	:	11g	
Shelf Life	:	5 Years (storage conditions: 20±2°C, 55±20% RH)	
Heavy Metal Content	:	Hg≤1ppm, Cd≤20ppm, Pb≤40ppm	



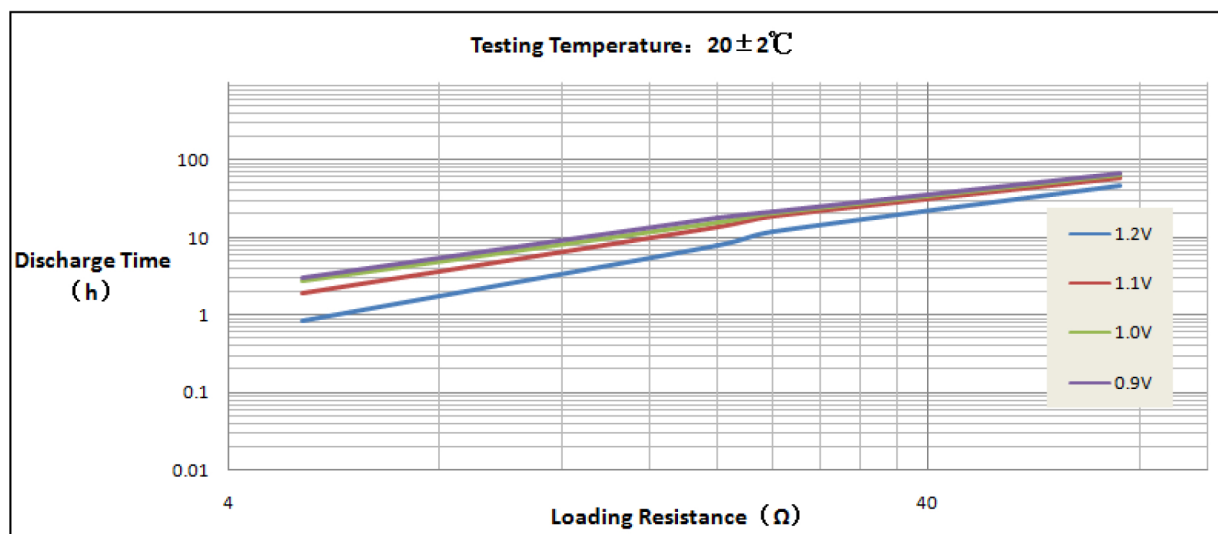
	Dimension (mm)
<b>A – diameter</b>	9.8 – 10.5
<b>B – overall height</b>	43.5- 44.5
<b>C – cap height</b>	0.8 MIN
<b>D – cap diameter</b>	3.8 MAX

## ■ Current Discharge Characteristics (Logarithmic plot)



\* For reference only.

■ Resistance Discharge Characteristics (Logarithmic plot)



■ Anti-leakage Performance

Test conditions: Store 35 days under 60 ± 2°C and 90 ± 5% RH, then put them under normal atmospheric temperature for 4~24 hours.

Sample quantity: 10 batteries

Requirement: No visible leakage, no explosion.

■ Safety Performance (Test environmental conditions: 20 ± 2°C, 55 ± 20% RH)

No.	Safety Test Items	Test Method	Sample Quantity	Specification
1	Storage after partial use	Place the discharged battery (5.1Ω-1h/d, 60min) under an environmental condition of Temp.45 ± 5°C for 30 days	5 pcs	No leakage, No Explosion, No Fire
2	Transportation shock	IEC 60086-5	5 pcs	No leakage, No Explosion, No Fire
3	Transportation vibration	IEC 60086-5	5 pcs	No leakage, No Explosion, No Fire
4	Climatic-temperature cycling	Place the battery in the temperature cycling procedure between -20°C and 70°C for 10 cycles	5 pcs	No Explosion, No Fire
5	Incorrect installation	Keep four un-discharged batteries from the same batch series connected with one of them (the Test Battery) reversed. The circuit shall be completed for 24h.	5 groups	No Explosion, No Fire
6	External short circuit	Keep the battery external short-circuit for 24hours under the specified condition.	5 pcs	No Explosion, No Fire
7	Over-discharge	IEC 60086-5 (1 discharged battery + 3 undischarged batteries)	5 groups	No Explosion, No Fire
8	Free fall	The battery shall be dropped from a height of 1m onto a concrete surface. Each battery shall be dropped six times, and twice on each of the three axes. The battery shall be stored for 1h afterwards.	5pcs	No Explosion, No Fire

- **USAGE GUIDE** (Please refer to IEC60086.5 for detailed safety and storage specifications.)
  - (1) Insert batteries correctly with regard to the polarities (“+”/“-”) marked on the battery and the electrical appliances;
  - (2) Do not short-circuit, recharge, heat, disassemble the battery, or dispose of in fire;
  - (3) Do not mix use old batteries with new ones, or mix use batteries of different types or brands;
  - (4) Exhausted batteries should be immediately removed from the equipment;
  - (5) Keep the batteries away from small children; do not let the child remove/ replace batteries without monitoring from adults.
  - (6) Storage condition of the batteries shall be Temperature: 15°C~25°C (no higher than 30°C), while extremely damp environment beyond RH: 40%~90% shall also be avoided. Naked battery is recommended to be stored after being labeled.
  
- **Transport Information** (\* N/A = Not applicable)
  - (1) UN number: N/A\*
  - (2) UN proper shipping name: N/A
  - (3) Transport hazard class(es) : N/A
  - (4) Packing group, if applicable: N/A
  - (5) Environmental hazards (e.g., Marine pollutant (Yes/No)) No.
  - (6) Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code):

The product can be treated as ordinary goods in transportation;  
Products in bulk shall be packed in inner packaging in such a manner that can prevent movement or short-circuit effectively.
  - (7) Special precautions which a user needs to be aware of, or needs to comply with, in connection with transport or conveyance either within or outside their premises:

Avoid high-temperature, high-humidity condition.

\*\*\* End \*\*\*