ELECTRO DH s.a.

COMPONENTES PARA ELECTRONICA, TELEFONÍA E ILUMINACIÓN

DATOS TÉCNICOS

MARCA : DH

CÓDIGO: 52.200

DESCRIPCIÓN: Pila alcalina LR-03/AAA

ESPECIFICACIONES TÉCNICAS:

Adjuntamos dos hojas.

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Technical Specification

1. **Scope**

   This specification defines the technical requirements for LR03 Alkaline Battery.

   Cross References: ATC IEC JIS GB(CHINA)

   LR03 LR03 AM-4 LR03

2. **Purpose**

   To assure that any LR03 battery manufactured or procured by ATC will meet or exceed our customer's expectations.

3. **Reference Document**

   IEC 60086-2:2000, IEC 60086-1:2000, GB/T 7112-1998

4. **Chemical System**

   Alkaline Zinc-Manganese Dioxide (KOH Electrolyte), Mercury: Less than 250 ppm.

5. **Nominal Voltage** : 1.5volt

6. **Average Weight** : 11.2g

7. **Jacket: Foil Label**

8. **Nominal Capacity**

   950mah (Conditions: 75Ω discharge 4hours per day at 20±2℃, end point voltage 0.9v)

9. **Electrical Characteristics**

	Off-load Voltage(v)	On-load Voltage(v)	Short circuit current	Acceptance Standard
Initialwithin30 day	1.58	1.45	6.0	GB2828 commonly I sampling AQL=0.4
After 12months	1.55	1.40	5.0	

(conditions: 3.9Ω±0.5% load resistance, measuring time 0.3 seconds, temperature at 20±2℃, the hair spring type ampere meter with ±0.5% accuracy (0.5level) shall be used.

10. Service Time

Discharge Condition			IEC Standard	Average Minimum Discharge Time	
Discharge Load	Daily Discharge time	End Point Voltege(v)		Initial within30day	After 12mth at 20±2 ℃
75Ω	4h	0.9	44h	58h	52h
5.1Ω	4m/h-8h/d	0.9	130min	180min	162min
10Ω	1h	0.9	5.0h	6.5h	5.9h
3.6Ω	15sec/min	0.9	350cycles	500cycles	450cycles
20Ω	24h	0.9		15h	13.5h

Satisfaction standard: 9 pieces of battery will be tested for each discharging.

The result of the average discharging time from each discharging standard shall be equal to or more than the average minimum time requirement.

11. Electrolyte Leakage Proof Characteristics

Item	Condition	Period	Characteristics	Acceptance Standard
Over-discharge characteristics	20Ω continuous discharge at temp. 20±2℃, Relative Humidity:65±20%RH	48hours	There shall be no deformation exceeding the specified dimensions, nor leakage recognized by human eye	N=10 Ac=1 Re=2
Storage characteristics	At temp. 45±2℃, Relative Humidity: 70% RH	90days		N=40 Ac=1 Re=2
	At room temp.	12 months		

12. Safety Characteristics

Item	Condition	Period	Characteristics	Acceptance Standard
Short circuit characteristics	Temp.: 20±2℃	24h.	There shall be no explosion of battery	N=8 Ac=0 Re=1
Abusive characteristics	Short circuit 4 pieces of battery in series, one of the 4 battery has to be connected with its polarity reversed	24h.		

13. Caution for Use

(1) Since the battery is not manufactured for recharging, there are risks of electrolyte leakage or causing damage to the device if the battery is charged.

(2) The battery shall be installed with its "+"and "−" in correct position.

(3) Short-circuiting, heating, disposing of into fire and disassembling the battery are prohibited.

(4) Avoid using old and new batteries together.

14. Shelf Life

3 years after delivery under proper storage condition.

15. Discharge Curves Page 3, Page 4,

16. Dimension Page 5