**1. Product Model**

LR20 D

**2. Chemical System**

Alkaline battery（Non-Hg, Non-Cadmium）

**3. Specification**（mm）

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**4. Nominal Voltage**：**1.5V**

**5. Storage Performance**

After 12 months storage at specified conditions, discharge capacity should be no less than 90% of the original discharge capacity.

**6. Mercury Content:** Less than 1ppm

**7. Average weight:** 145g

**8. Electrical Performance** (3.9Ω 0.3S 20±2℃)

|  |  |  |  |
| --- | --- | --- | --- |
| / | Open Circuit Voltage (V) | Closed circuit Voltage (V) | Short Circuit Current (A) |
| Initial period | ≥ 1.60 | ≥ 1.50 | ≥ 12 |
| After 12 months | ≥ 1.56 | ≥ 1.45 | ≥ 10 |

9. **Discharge Capacity** (20±2℃ , RH: 45%∽45%)

|  |  |  |  |
| --- | --- | --- | --- |
| Load | 3.9 Ω | 2.2 Ω | 10 Ω |
| Discharge way | 1 h/d | 1 h/d | 4 h/d |
| Final Voltage | 0.9V | 0.8V | 0.9V |
| Initial period | 36 h | 20 h | 105 h |

**10. Performance**

(1) Spillage proof test at over-discharge

The number of samples：9

Test condition：20±2℃, relative humidity 60%-15%

Test method：3.9Ω continuous discharge to 0.35V

Requirements：no spillage at eyesight, the distortion of total height of the battery will not exceed 0.2mm, the max allowable value.

Standard：0/9

(2) Spillage proof test at high temperature

The number of samples：20

Test condition：55±2℃, relative humidity 60%-15%

Test method：Under the prescriptive test conditions, the samples are stored for 30 days.

Requirements：no spillage at eyesight, the distortion of total height of the battery will not exceed 0.2mm, the max allowable value.

Standard：0/20

**11. Guarantee period**: 5 years

**12. Precautions of use**：

(1）The battery is designed not to be recharged, the forced recharge will result in the spillage or the risk of equipment damage.

(2）The labels “+”“—” for the battery should installed correctly according to the directions specified by the equipment to be used.

(3）Short circuit, heating, burning and unsealing for the battery are forbidden.

Discharge Time: 1200 min

**13. Marks:**

The following message will be printed or stamped on the body of the battery:

(1) Model

(2) Manufacture’s name: SIMEANS

(3) Nominal Voltage

(4) Pole

(5) Warning