

**battery type:**  
**battery size:**  
**chemical system:**

Alkaline Manganese Dioxide  
 AAAA (LR8D425)  
 Zn / KOH-H<sub>2</sub>O / MnO<sub>2</sub>



<https://www.mega-piles.com/>

**nominal voltage:** 1.5 V  
**open circuit voltage:** 1.57...1.63 V  
 1.55...1.63 V

#### Conditions

new battery  
 after 1 year storage at 20°C

all measurements at 22 ± 2°C ambient

#### capacity

rated: 500 mAh

discharge at 35mA; 24hours/day  
 End Voltage (EV): 0.8V

minimum:

470 mAh

discharge at 35mA; 24hours/day  
 End Voltage (EV): 0.8V

#### Standard discharge time

nominal: 12 h

at 30Ω load new battery  
 EV: 0.9V

minimum:

13.5 h

for QC measurement (at 35mA load; 24h/d; E.V.0.8V)

11 h

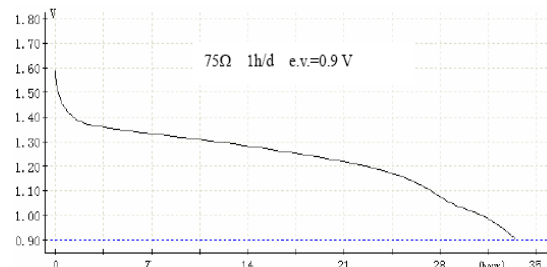
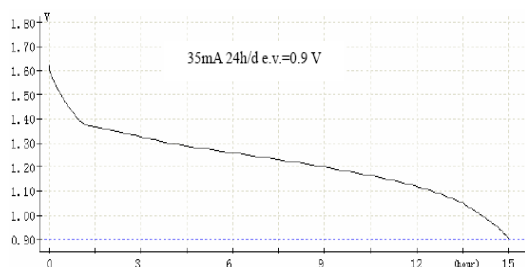
tested within 30 days after delivery  
 after 12 months storage at room temperature

#### Service Output

| Load          |        | 35mA  | 5.1 Ω  | 75 Ω |
|---------------|--------|-------|--------|------|
| Test mode     |        | 24h/d | 5min/d | 1h/d |
| End voltage   |        | 0.9V  | 0.9V   | 0.9V |
| Unit          |        | h     | m      | h    |
| Initial       | MAD    | 13.5  | 95     | 31.5 |
|               | Normal | 15.0  | 110    | 33.0 |
| Stored 1 year | MAD    | 11.0  | 80     | 30.0 |
|               | Normal | 13.0  | 100    | 32.0 |

m: minute h: hour d: day

#### Discharge diagrams:



#### shelf life:

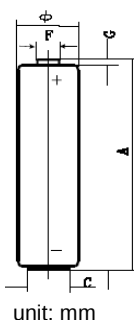
7 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)  
 ≥95 % of the capacity will remain after 12 months storage

#### operating temperature

range: - 20...60 °C

#### mechanical specifications:

| / | min  | max  |
|---|------|------|
| Φ | 7.8  | 8.3  |
| A | 41.5 | 42.5 |
| C | 3.7  | 4.3  |
| F | 2.8  | 3.4  |
| G | 0.8  | -    |



unit: mm



blister card

dimensions:  
 120 x 85mm

weight:  
 21g (incl. battery)

nominal weight:

6.8 g

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#### ANSMANN Specifications for model:

data sheet no. / part no.

**AAAA Alkaline Battery**  
**2pcs blister package**

supplier no.

1510-0005

author / date

701381

TG / 18.10.2013

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice