

battery type:
battery size:
chemical system:

Alkaline Manganese (Mercury free)
 IEC: LR6; JIS: AM-3; ANSI: 15A; MN1500; AA; Mignon
 Zn / KOH-H₂O / MnO₂



nominal voltage: 1.5 V
open circuit voltage: 1.57...1.65 V
 1.55...1.65 V

Conditions
 new battery
 after 1 year storage at 20°C

capacity
 rated: 2900 mAh

all measurements at 20°C ambient
 discharge at 10mA load; 24hours/day
 End Voltage (EV): 0.8V
 2800 mAh
 discharge at 43ohms load; 4hours/day
 End Voltage (EV): 0.9V

minimum:
 (for IQC measurement)

19 h at 10ohms constant resistance discharge
 24h/d; End Voltage (EV): 0.9V
 46 min at 1000mA constant current discharge
 24h/d; End Voltage (EV): 0.9V

typical service output

| Load | 10 Ω | 1000mA | 1000mA | 1.5W/0.65W | 3.9 Ω | 250mA | 10 Ω | 24 Ω | 43 Ω | |
|--------------|--------|--------|---------------|-------------|------------|-------|------|---------------|--------|--------|
| Test mode | 24h/d | 24h/d | 10s/m 1h/d | 2s/28s 5m/h | 1h/d | 1h/d | 1h/d | 15s/m 8h/d | 4h/d | |
| end voltage | 0.9V | 0.9V | 0.9V | 1.05V | 0.8V | 0.9V | 0.9V | 1.0V | 0.9V | |
| Initial | MAD | 19.0 h | 46m | 470 pulses | 87 pulses | 7.3h | 7.3h | 19.2 h | 43 .0h | 88.0 h |
| | Normal | 19.8 h | 57 m | 520 pulses | 105 pulses | 7.7h | 7.7h | 20.0 h | 45.0 h | 91.0h |
| After 1 year | MAD | 18.6 h | 41 m | 390 pulses | 75 pulses | 7.1h | 6.8h | 18.5 h | 42.0 h | 87.0 h |
| | Normal | 19.2h | 47 m | 460 pulses | 93 pulses | 7.4h | 7.3h | 19.2 h | 44.0 h | 90.0 h |

m: minute h: hour d: day

internal resistance: ≤ 0.2 Ω at 1kHz, sine wave measurement
 (new batttery) according to IEC 896-2

shelf life: 7 years under proper storage conditions

leakage resistance

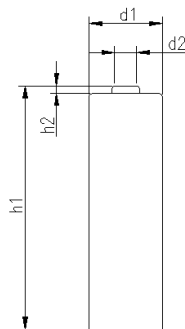
over discharge: no leakage 10ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%
 high temperature: no leakage store 20days at ta: 60°C; RH:90±5%

ambient temperature range: - 10...50 °C

recommended storage conditions: 5...25 °C ambient temperature
 45...75 % rel. humidity

mechanical specifications

cell dimensions
 diameter d1: 14.4 - 0.5 mm
 diameter d2: 5.4 - 0.5 mm
 height h1: 50.4 - 0.5 mm
 height h2: 1.7 - 0.5 mm
 weight: 23 ± 2 g



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|--|--|---|
| | ANSMANN Specifications for model: | Premium Quality Alkaline Battery |
| | data sheet no. / part no. | AA - size |
| | s.n. | 701381 |
| | author / date | TG / 10.07.2019 |