

battery type: Alkaline Manganese (Mercury free)
battery size: IEC: LR03; JIS: AM-4; ANSI: AAA; MN2400; Micro
chemical system: Zn / KOH-H₂O / MnO₂

Conditions

nominal voltage: 1.5 V
open circuit voltage: 1.57...1.62 V new battery
 1.55...1.62 V after 1 year storage at 20°C

capacity
 rated: 1200 mAh all measurements at 20°C ambient
 discharge at 10mA load; 24hours/day
 End Voltage (EV): 0.8V
 1070 mAh discharge at 75ohms load; 24hours/day
 End Voltage (EV): 0.8V
 minimum: 1050 mAh discharge at 20mA constant current
 End Voltage (EV): 0.8V
 300 mAh discharge at 500mA constant current
 End Voltage (EV): 0.8V

typical service output (new batteries)

≥ 560 cycles load resistor 3.6ohms; EV: 0.9V
 discharge 15s/m 24h/d
 ≥ 180 min load resistor: 5.1ohms; EV: 0.9V
 discharge 4min/h 8h/d
 ≥ 414 min load resistor: 10ohms; EV: 0.9V
 discharge 1h/d
 ≥ 16 h load resistor: 20ohms; EV: 0.9V
 discharge 24h/d
 ≥ 37 h load resistor: 43ohms; EV: 0.9V
 discharge 4h/d

internal resistance: ≤ 0.3 Ω at 1kHz, sine wave measurement
 according to IEC 896-2

shelf life: 5 years under proper storage conditions

leakage resistance

over discharge: no leakage 20ohms 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

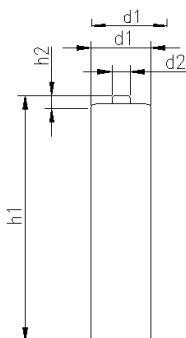
mechanical specifications

cell dimensions

diameter d1: 10.4 - 0.5 mm
 diameter d2: 3.6 - 0.4 mm
 height h1: 44.4 - 0.6 mm
 height h2: 1.2 - 0.35 mm
 weight: 11.5 ± 1.5 g

package

dimensions: 55 x 44 x 48 mm
 weight (incl. batteries): 225 ± 10 g



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	ANSMANN Specifications for model:	Ansmann Industrial Alkaline battery
	data sheet no. / part no.	AAA - size 20pcs box
	supplier no.	1501-0004
	author / date	701381 Gramlich / 22.02.2012

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