

battery type: Alkaline Manganese (Mercury free)
battery size: IEC: LR03; JIS: AM-4; ANSI: 24A; MN2400; AAA; Micro
chemical system: Zn / KOH-H₂O / MnO₂

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: 1325 mAh all measurements at 20°C ambient
 discharge at 10mA load; 24hours/day
 End Voltage (EV): 0.8V
 1225 mAh discharge at 75ohms load; 24hours/day
 End Voltage (EV): 0.8V

minimum: 18.0 h at 20ohms constant resistance discharge
 (for IQC measurement) End Voltage (EV): 0.9V
 142 min at 3.9 ohms constant resistance discharge
 End Voltage (EV): 0.9V

typical service output

Discharge Condition			IEC60086-2: 2015 Standard	Discharge Time			
Load	Test mode	End Voltage		Initial		After 1 year at 20±2°C	
				MAD	Normal	MAD	Normal
5.1Ω	4m/h,8h/d	0.9V	130m	240m	255m	225m	238m
50mA	1h/12h,24h/d	0.9V	12h	21.8h	23.3h	20.9h	22h
24Ω	15s/m-8h/d	1.0V	14.5h	20.7h	22.3h	19.9h	21.4h
5.1Ω	1h/d	0.8V	2h	4.1h	4.5h	3.9h	4.1h
20Ω	Reference	24h/d	/	18h	18.6h	17h	17.5h
3.9Ω		24h/d	0.9V	/	142m	155m	131m
Remarks	<ul style="list-style-type: none"> MAD- Minimum Average Discharge m- minute h- hour d-day p-pulses Actual performance for each lot perhaps will be slightly different with normal performance. 						

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

shelf life: 7 years under proper storage conditions

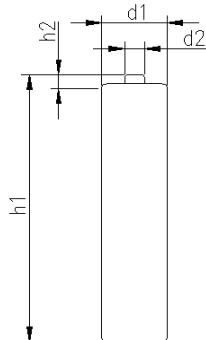
leakage resistance
 over discharge: no leakage 10ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%
 high temperature: no leakage store 20days at ta: 60°C; RH:90±5%

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

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

mechanical specifications

cell dimensions
 diameter d1: 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



	ANSMANN Specifications for model:	Premium Quality Alkaline Battery AAA - size
	data sheet no. / part no.	
	s.n.	704413
	author / date	TG / 12.07.2019