

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

Conditions

nominal voltage: 1.5 V
open circuit voltage: 1.57...1.68 V (new battery)
 1.55...1.68 V (after 1 year storage at 20°C)

capacity rated: 2950 mAh (all measurements at 20°C ambient)
 discharge at 10mA load; 24hours/day
 End Voltage (EV): 0.8V
 2850 mAh (discharge at 43ohms load; 4hours/day)
 End Voltage (EV): 0.9V

minimum: 19.5 h (for IQC measurement) (at 10ohms constant resistance discharge)
 24h/d; End Voltage (EV): 0.9V
 370 min (at 3.9 ohms constant resistance discharge)
 24h/d; 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
3.9Ω	1h/d	0.8V	5h	7.8h	8.4h	7.4h	7.8h
50mA	1h/8h,24h/d	1.0V	30h	50h	52h	48h	50h
100mA	1h/d	0.9V	15h	24.5h	25.5h	23h	24.5h
250mA	1h/d	0.9V	5h	7.9h	8.5h	7.5h	7.9h
1.5-0.65W	2s/28s,5m/h	1.05V	40p	100p	120p	90p	100p
3.9Ω	4m/h,8h/d	0.9V	230m	425m	460m	400m	425m
10Ω	Reference	24h/d	/	19.5h	20.8h	19h	20h
3.9Ω		24h/d	/	370m	390m	350m	370m
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: ≤ 0.2 Ω (new battery) (at 1kHz, sine wave measurement according to IEC 896-2)

shelf life: 7 years (under proper storage conditions)

leakage resistance

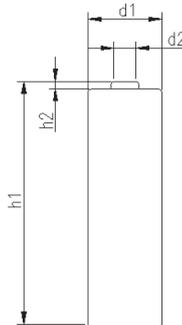
over discharge: no leakage (10ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%)
 high temperature: no leakage (store 20days at ta: 60°C; RH:90±5%)

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: 23.5 ± 2 g



	ANSMANN Specifications for model:	Premium Quality Alkaline Battery AA - size
	data sheet no. / part no.	
	supplier no.	704413
	author / date	TG / 02.07.2019