

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

Conditions

nominal voltage: 1.5 V
open circuit voltage: 1.57...1.65 V new battery
 1.55...1.65 V after 1 year storage at 20°C

capacity rated: 2800 mAh all measurements at 20°C ambient
 discharge at 10mA load; 24hours/day
 End Voltage (EV): 0.8V
 2700 mAh discharge at 43ohms load; 4hours/day
 End Voltage (EV): 0.9V

minimum: 18.5 h at 10ohms constant resistance discharge
 (for IQC measurement) 24h/d; End Voltage (EV): 0.9V
 38 min at 1000mA constant current discharge
 24h/d; End Voltage (EV): 0.9V

typical service output

Load	10Ω	1000mA	1.5w/ 0.65w	1000 mA	3.3Ω	250mA	3.9Ω	100mA	24Ω	43Ω	3.9Ω	50mA	
Test mode	24h/d	24h/d	2s/28s 5min/h	10s/m 1h/d	4m/h 8h/d	1h/d	1h/d	1h/d	15s/m 8h/d	4h/d	4m/h 8h/d	1h/8h 24h/d	
End voltage	0.9V	0.9V	1.05V	0.9V	0.9V	0.9V	0.8V	0.9V	1.0V	0.9V	0.9V	1.0 V	
Unit	h	m	pulse	pulse	m	h	h	h	h	h	m	h	
Applications	Reference	Reference	Digital still camera	Photo flash	Portable lighting	CD/ Electronic games	Motor/ toy	Digital audio	Remote control	Radio/ Clock	Portable lighting	Radio /Clock/ Remote Control	
Initial	MAD	18.5	38.0	55	380	300	7.0	7.0	21.0	42.0	89.0	380	43
	Normal	19.5	50.0	70	450	320	7.8	7.5	22.5	45.0	91.5	400	46
Stored 1 year	MAD	18.2	30.0	45	300	280	6.7	6.7	20.5	41.0	87.0	360	41
	Normal	18.8	40.0	60	360	300	7.2	7.2	21.5	43.0	89.0	380	44

internal resistance: ≤ 0.25 Ω at 1kHz, sine wave measurement
 (new battery) according to IEC 896-2

shelf life: 5 years under proper storage conditions

leakage resistance

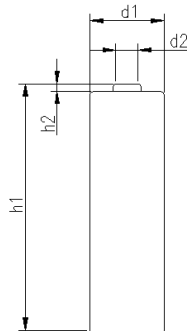
over discharge: no leakage 10ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%
 high temperature: no leakage store 20days at ta: 60°C; RH:90±5%

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



	ANSMANN Specifications for model:	High Quality Alkaline Battery AA - size
	data sheet no. / part no.	1502-0002-1
	s.n.	701381
	author / date	TG / 19.04.2021