

battery type: Alkaline Manganese (Mercury free)
battery size: IEC: LR14; JIS: AM-2; ANSI: 14A; MN1400; Baby; C
chemical system: Zn / KOH-H₂O / MnO₂

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

Conditions

capacity rated: 7000 mAh all measurements at 20°C ambient
 discharge at 25mA load; 24h/day
 End Voltage (EV): 0.8V
 6000 mAh discharge at 3.9ohms load; 1h/day
 End Voltage (EV): 0.8V

minimum: 16 h at 3.9ohms constant resistance discharge
 (for IQC measurement) 24h/d; End Voltage (EV): 0.9V

typical service output

Load	3.9Ω	400mA	3.9Ω	3.9Ω	20Ω	3.9Ω	
Test mode	24h/d	2h/d	4min/h, 8h/d	1h/d	4h/d	4m/15m, 8h/d	
End voltage	0.9V	0.9V	0.9V	0.8V	0.9V	0.9V	
Unit	h	h	h	h	h	h	
Applications	Reference	Portable stereo	Portable lighting	Toy	Radio	Portable lighting	
Initial	MAD	16.5	11.0	18.5	19.5	120	18
	Normal	18.5	13.0	21.0	22.6	130	20
Stored 1 year	MAD	15.0	9.5	17.5	18.5	115	17
	Normal	18.0	12.0	19.5	21.5	124	19

m: minute h: hour d: day

internal resistance: ≤ 0.15 Ω at 1kHz, sine wave measurement according to IEC 896-2

shelf life: 7 years under proper storage conditions

leakage resistance

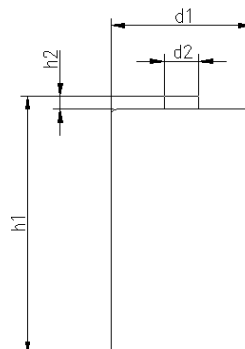
over discharge: no leakage 3.9ohms continuous discharge for 48h; ta: 20°C; RH: 60±15%
 high temperature: no leakage store 20days at ta: 60°C; RH:90±5%


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

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

mechanical specifications

cell dimensions
 diameter d1: 26.0 - 1.0 mm
 diameter d2: 7.0 - 1.0 mm
 height h1: 50.0 - 1.0 mm
 height h2: 2.0 - 0.4 mm
 weight: 70 ± 3 g



	ANSMANN Specifications for model:	High Quality Alkaline Battery C - size
	author / date	TG / 22.07.2019