

battery type:
battery size:
chemical system:

Alkaline Manganese (Mercury free)
 IEC: LR20; JIS: AM-1; ANSI: 13A; MN1300; Mono
 Zn / KOH-H₂O / MnO₂



<https://www.mega-piles.com/>

nominal voltage: 1.5 V
open circuit voltage: 1.58...1.68 V
 1.55...1.68 V

Conditions
 new battery
 after 1 year storage at 20°C

capacity
 rated:
 18400 mAh
 14500 mAh

all measurements at 20°C ambient
 discharge at 25mA load; 24h/day
 End Voltage (EV): 0.8V
 discharge at 2.2ohms load; 1h/day
 End Voltage (EV): 0.8V

minimum:
 (for IQC measurement)

17.7 h

at 2.2ohms constant resistance discharge
 24h/d; End Voltage (EV): 0.9V

typical service output

Load	2.2Ω	600mA	1.5Ω	2.2Ω	10Ω	2.2Ω	
Test mode	24h/d	2h/d	4m/15m, 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	17.7	15.5	13.0	23.0	124	21
	Normal	19.5	17.0	14.7	25.7	132	23
Stored 1 year	MAD	17.0	14.0	12.0	20.5	122	20.5
	Normal	18.5	16.0	14.0	24.0	128	21.5

m: minute h: hour d: day

internal resistance: ≤ 0.15 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%

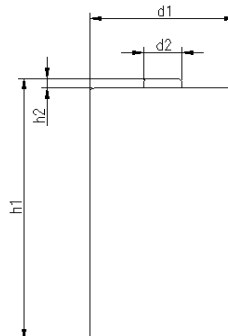
ambient temperature range: - 10...50 °C

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

mechanical specifications

cell dimensions

diameter d1: 33.8 - 1.0 mm
 diameter d2: 9.5 - 1.0 mm
 height h1: 61.5 - 1.5 mm
 height h2: 1.5 + 1.0 mm
 weight: 142 ± 5 g



Cell Printing:

BB Printring: MM / YY
 (month,month / year, year)

Important!

Additional Production Date
 Printing: WW / YY
 (week, week / year, year)

	ANSMANN Specifications for model:	Premium Quality Alkaline Battery D - size "ILLE"
	data sheet no. / part no.	1504-0003
	s.n.	701381
	author / date	TG / 21.09.2020