

battery type:
battery size:
chemical system:

Alkaline Manganese (Mercury free)
 IEC: 6LR61; JIS: 6AM6; ANSI: E; MN1604; 9V-Block
 Zn / KOH-H₂O / MnO₂



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

nominal voltage: 9 V
open circuit voltage: 9.2...9.8 V
 9.0...9.6 V

Conditions

new battery
 after 1 year storage at 20°C

all measurements at 20°C ambient

capacity

rated:

700 mAh

discharge at 620ohms load; 2h/day
 End Voltage (EV): 5.4V

680 mAh

discharge at 10mA load; 24h/d
 End Voltage (EV): 5.4V

minimum:

14.5 h

(for IQC measurement)

discharge at 35mA load; 24h/day
 End Voltage (EV): 5.4V

typical service output

Load		35mA	270Ω	620Ω	Background ³ : 10 000Ω Pulse:620Ω
Test mode		24h/d	1h/d	2h/d	24h 1 s per h
End voltage		5.4V	5.4V	5.4V	7.5V
Unit		h	h	h	d
Applications		Reference	Toy	Radio	Smoke detector
Initial	MAD	14.5	21.0	51.0	20.5
	Normal	17.0	23.5	55.0	23.0
Stored 1 year	MAD	13.5	20.0	49.0	19.0
	Normal	15.5	21.5	52.0	21.0

m: minute h: hour d: day

internal resistance:
 (new battery)

≤ 4 Ω

at 1kHz, sine wave measurement

shelf life:

7 years

under proper storage conditions

leakage resistance

over discharge:

no leakage

180ohms 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

45...75 %

ambient temperature
 rel. humidity

mechanical specifications

cell dimensions

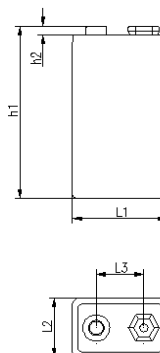
length L1: 26.5 -2 mm

length L2: 17.5 -2 mm

length L3: 12.7 ± 0.25 mm

height h1: 48.5 -2 mm

weight: 45 ± 3 g



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ANSMANN Specifications for model:

data sheet no. / part no.

s.n.

author / date

Premium Quality Alkaline Battery 9V E-block

701381

TG / 15.11.2019

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice