

battery type: Alkaline Manganese Dioxide
battery size: AAAA (LR8D425)
chemical system: Zn / KOH-H₂O / MnO₂

nominal voltage: 1.5 V
open circuit voltage: 1.57...1.63 V new battery
 1.55...1.63 V after 1 year storage at 20°C

Conditions

capacity rated: 500 mAh discharge at 35mA; 24hours/day
 End Voltage (EV): 0.8V
minimum: 470 mAh discharge at 35mA; 24hours/day
 End Voltage (EV): 0.8V

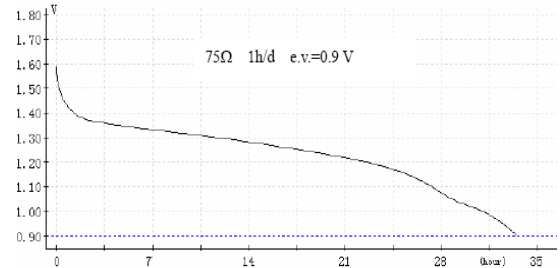
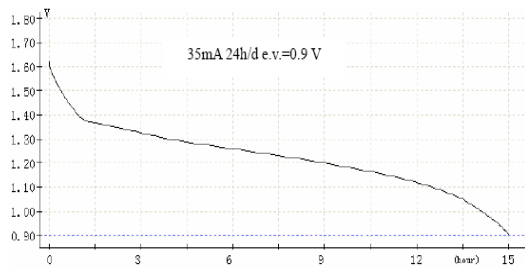
Standard discharge time nominal: 12 h at 30Ω load new battery
 EV: 0.9V
minimum: 13.5 h for QC measurement (at 35mA load; 24h/d; E.V.0.8V)
 11 h tested within 30 days after delivery
 after 12 months storage at room temperature

Service Output

Load		35mA	5.1 Ω	75 Ω
Test mode		24h/d	5min/d	1h/d
End voltage		0.9V	0.9V	0.9V
Unit		h	m	h
Initial	MAD	13.5	95	31.5
	Normal	15.0	110	33.0
Stored 1 year	MAD	11.0	80	30.0
	Normal	13.0	100	32.0

m: minute h: hour d: day

Discharge diagrams:

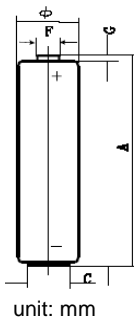


shelf life: 7 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)
 ≥95 % of the capacity will remain after 12 months storage

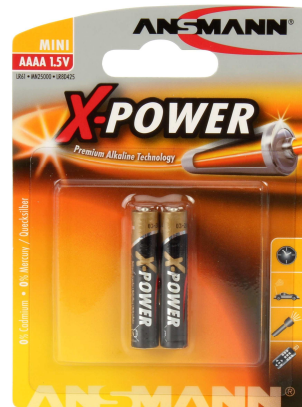
operating temperature range: - 20...60 °C

mechanical specifications:

/	min	max
Φ	7.8	8.3
A	41.5	42.5
C	3.7	4.3
F	2.8	3.4
G	0.8	-



unit: mm



blister card
 dimensions:
 120 x 85mm
 weight:
 21g (incl. battery)

nominal weight: 6.8 g

	ANSMANN Specifications for model:	AAAA Alkaline Battery
	data sheet no. / part no.	1510-0005
	supplier no.	701381
	author / date	TG / 18.10.2013