

battery type: Alkaline Manganese Dioxide (mercury free)
battery size: LR43; LR1142; AG12; 186; 386
chemical system: Zn / KOH-H₂O / MnO₂

Conditions

nominal voltage: 1.5 V
open circuit voltage: 1.57...1.63 V (new battery)
 1.53...1.63 V (after 1 year storage at 20°C)

all measurements at 22 ± 2°C ambient

capacity rated: 95 mAh discharge at 10kΩ load; 24hours/day
 End Voltage (EV): 0.9V

minimum: 90 mAh discharge at 10kΩ load; 24hours/day
 End Voltage (EV): 0.9V

Service Life

nominal: 730 h at 10kΩ load new battery (tested within 60 days after production)
 EV: 0.9V

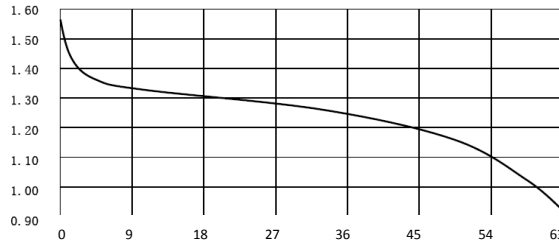
MAD: (minimum average duration) 690 h at 10kΩ load new battery (tested within 60 days after production)
 520 h EV: 0.9V
 EV: 1.2V

625 h at 10kΩ load after 12 months storage at room temperature
 EV: 0.9V
 475 h EV: 1.2V

≥ 60 h at 1kΩ load for IQC measurement
 EV: 0.9V

Discharge diagram:

Typical Discharge Characteristics at 20° c



load resistor: 1kΩ

Discharge Time(hours)

shelf life: 3 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)
 ≥90 % remaining capacity after 12 months storage

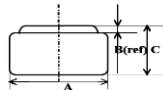
operating temperature: -20...60 °C

storage temperature: 5...25 °C (recommended)

mechanical specifications:

cell dimensions: 11.6 x 4.2mm nominal

Dimensions	Unit:mm
A	11.40-11.60
B	0.40 (ref)
C	3.90-4.20



nominal weight: 1.5 g

blister card

dimensions: 56 x 71.5mm

weight: 3.4g (incl. battery)

main applications: watch, photo, electronic

	ANSMANN Specifications for model:	LR43 (AG12, 386A) Alkaline Button Cell "Hg free" blister package
	data sheet no. / part no.	5015293
	supplier no.	703385
	author / date	TG / 08.03.2016