

battery type:
battery size:
chemical system:

Alkaline Manganese Dioxide (mercury free)
 LR44; LR1154; AG13; A76; 357
 Zn / KOH-H₂O / MnO₂

nominal voltage: 1.5 V
open circuit voltage: 1.57...1.63 V
 1.53...1.63 V

Conditions

new battery
 after 1 year storage at 20°C

all measurements at 22 ± 2°C ambient

capacity rated: 145 mAh

discharge at 6.8kΩ load; 24hours/day
 End Voltage (EV): 0.9V

minimum: 135 mAh

discharge at 6.8kΩ load; 24hours/day
 End Voltage (EV): 0.9V

Service Life

nominal: 760 h

at 6.8kΩ load EV: 0.9V new battery
 (tested within 60 days after production)

MAD:
 (minimum average duration) 720 h
 540 h

at 6.8kΩ load EV: 0.9V new battery
 EV: 1.2V (tested within 60 days after production)

650 h at 6.8kΩ load
 495 h EV: 0.9V
 EV: 1.2V

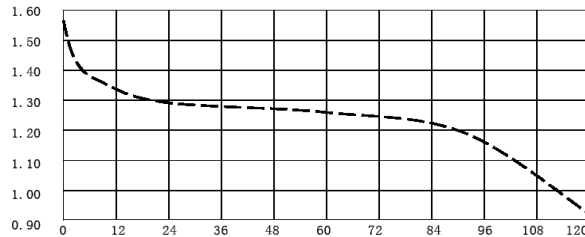
after 12 months storage at room temperature

≥ 100 h at 1kΩ load
 EV: 0.9V

for IQC measurement

Discharge diagram:

Typical Discharge Characteristics at 20° c



load resistor: 1kΩ

shelf life: 3 years
 ≥90 %

Discharge Time(hours)
 under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)
 remaining capacity after 12 months storage

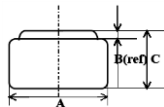
operating temperature: -20...60 °C

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

mechanical specifications:

cell dimensions: 11.6 x 5.4mm nominal

Dimensions	Unit:mm
A	11.40-11.60
B	0.50(ref)
C	5.10-5.40



nominal weight: 1.9 g

blister card

main applications: watch, photo, electronic

dimensions:
 56 x 71.5mm

weight:
 3.8g (incl. battery)

	ANSMANN Specifications for model:	LR44 (AG13, 357) Alkaline Button Cell "Hg free" blister package
	data sheet no. / part no.	5015303
	supplier no.	703385
	author / date	TG / 08.03.2016