

battery type: Alkaline Manganese Dioxide (mercury free)
battery size: LR44; LR1154; AG13; A76; 357
chemical system: Zn / KOH-H₂O / MnO₂

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

Conditions

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 new battery
 EV: 0.9V (tested within 60 days after production)

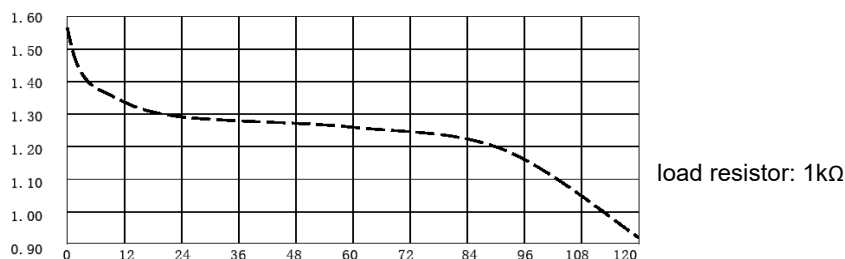
MAD:
 (minimum average duration) 720 h at 6.8kΩ load new battery
 EV: 0.9V (tested within 60 days after production)
 540 h EV: 1.2V

650 h at 6.8kΩ load after 12 months storage at room temperature
 EV: 0.9V
 495 h EV: 1.2V

≥ 100 h at 1kΩ load for IQC measurement
 EV: 0.9V

Discharge diagram:

Typical Discharge Characteristics at 20°C



Discharge Time(hours)

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

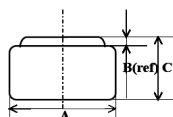
operating temperature: -20...60 °C

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

mechanical specifications:

cell dimensions: 11.6 x 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

main applications: watch, photo, electronic

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ANSMANN Specifications for model:

data sheet no. / part no.

supplier no.

author / date

Ansmann LR44 (AG13, 357)
 Alkaline Button Cell "Hg free"

703385

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