

**battery type:** Alkaline Manganese Dioxide (mercury free)  
**battery size:** LR44; LR1154; AG13; A76; 357  
**chemical system:** Zn / KOH-H<sub>2</sub>O / MnO<sub>2</sub>

**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)

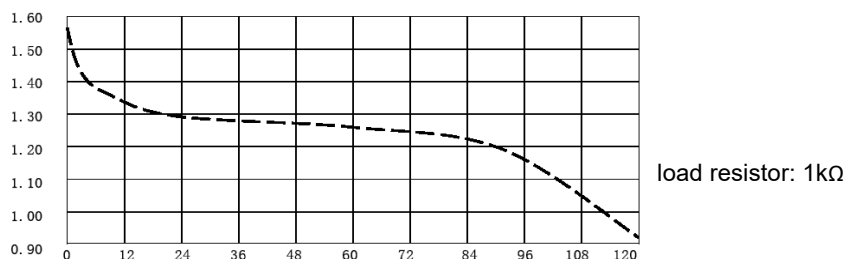
MAD:  
 (minimum average duration) 720 h at 6.8kΩ load new battery  
 EV: 0.9V (tested within 60 days after production)  
 540 h EV: 1.2V

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

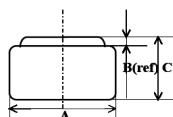
**operating temperature:** -20...60 °C

**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



#### ANSMANN Specifications for model:

data sheet no. / part no.

supplier no.

author / date

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

703385

TG / 25.07.2018