

**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**

**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**

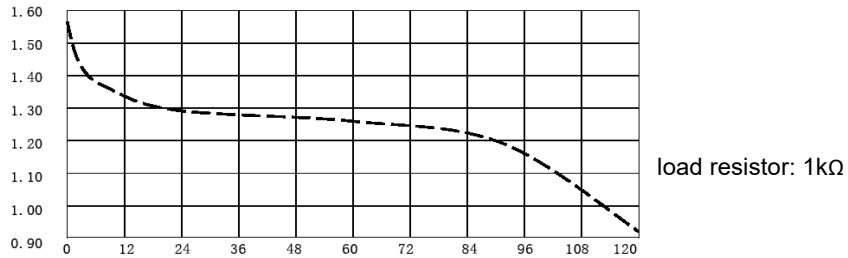
**nominal:** 760 h at 6.8kΩ load new battery  
 EV: 0.9V (tested within 60 days after production)

**MAD:** at 6.8kΩ load new battery  
 (minimum average duration) 720 h 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

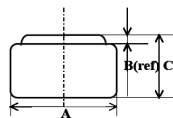
**operating temperature:** -20...60 °C

**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

	<b>ANSMANN Specifications for model:</b>	<b>Ansmann LR44 (AG13, 357) Alkaline Button Cell "Hg free"</b>
	data sheet no. / part no.	
	supplier no.	703385
	author / date	TG / 25.07.2018