

**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>

**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:** 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)

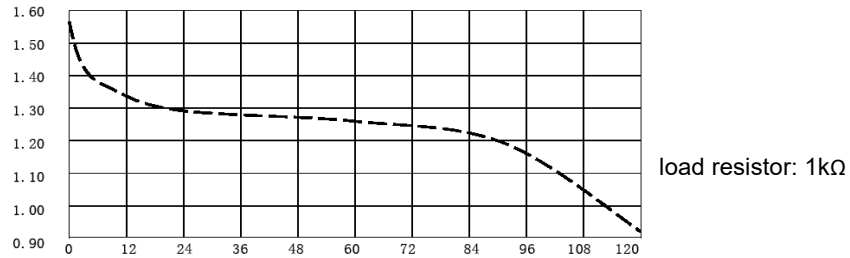
**MAD:** 720 h (at 6.8kΩ load, EV: 0.9V) (new battery, tested within 60 days after production)  
 (minimum average duration) 540 h (at 6.8kΩ load, EV: 1.2V)

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

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

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)

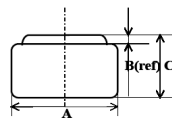
**operating temperature:** - 20...60 °C

**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>Alkaline Button Cell HyCell LR44 (AG13, 357)</b>
	author / date	TG / 07.03.2019