

battery type: Alkaline Manganese Dioxide (mercury free)
battery size: LR54; LR1130; AG10; 189: 389
chemical system: Zn / KOH-H₂O / MnO₂

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: 65 mAh (discharge at 15kΩ load; 24hours/day; End Voltage (EV): 0.9V)
 minimum: 60 mAh (discharge at 15kΩ load; 24hours/day; End Voltage (EV): 0.9V)

Service Life

nominal: 750 h (at 15kΩ load; EV: 0.9V) (new battery (tested within 60 days after production))

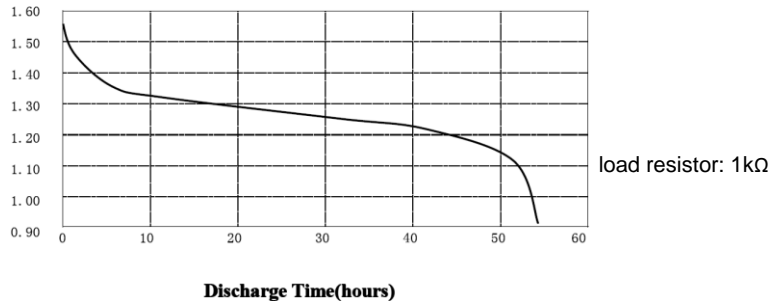
MAD: (minimum average duration) 720 h (at 15kΩ load; EV: 0.9V) (new battery (tested within 60 days after production))
 540 h (at 15kΩ load; EV: 1.2V)

650 h (at 15kΩ load; EV: 0.9V) (after 12 months storage at room temperature)
 495 h (at 15kΩ load; EV: 1.2V)

≥ 90 h (at 2kΩ load; EV: 0.9V) (for IQC measurement)

Discharge diagram:

Typical Discharge Characteristics at 20°C



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

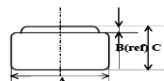
operating temperature: -20...60 °C

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

mechanical specifications:

cell dimensions: 11.6 x 3.1mm nominal

Dimensions	Unit:mm
A	11.40-11.60
B	0.40 (ref)
C	2.90-3.10



nominal weight: 1.1 g

blister card

main applications: watch, photo, electronic

dimensions: 56 x 71.5mm

weight: 3.0g (incl. battery)

	ANSMANN Specifications for model:	LR54 (AG10,LR1130) Alkaline Button Cell "Hg free" blister package
	data sheet no. / part no.	5015313
	supplier no.	703385
	author / date	TG / 08.03.2016