

battery type: Alkaline Manganese Dioxide
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
 1.55...1.63 V after 1 year storage at 20°C

all measurements at 22 ± 2°C ambient

capacity rated: 70 mAh discharge at 15kΩ load; 24hours/day
 End Voltage (EV): 1.0V

minimum: 65 mAh discharge at 15kΩ load; 24hours/day
 End Voltage (EV): 1.0V

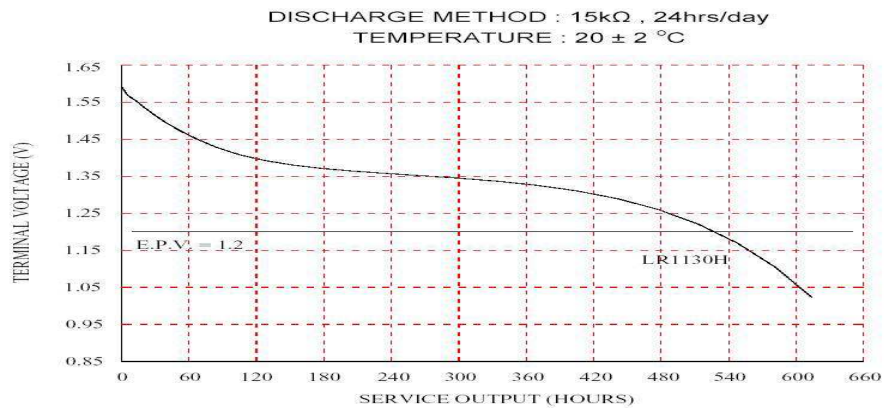
Service Output

nominal: 535 h at 15kΩ load new battery
 EV: 1.2V

minimum: 480 h dto. tested within 30 days after delivery
 435 h dto. after 12 months storage at room temperature

≥34 h for IQC measurement
 at 1kΩ load
 EV: 1.0V

Discharge diagrams:



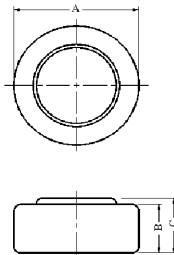
shelf life: 3 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)
 ≥90 % of the capacity will remain after 12 months storage

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

mechanical specifications:

dimensions:

A	11.25... 11.60	mm
B	2.50... 2.75	mm
C	2.75... 3.05	mm



blister card
 dimensions:
 55 x 70mm
 weight:
 2.9g (incl. battery)

nominal weight: 1.10 g

	ANSMANN Specifications for model:	LR54 Alkaline Button Cell blister package
	data sheet no. / part no.	5015313
	supplier no.	701381
	author / date	TG / 18.06.2013