

battery type: Zinc-Air button cell (hearing aid battery)
battery size: A13; PR48
chemical system: Zinc - Air / Zn-O₂

Conditions

nominal voltage: 1.4 V
open circuit voltage: 1.35...1.4 V
 1.35...1.4 V
 new battery (pull off tap min. 30 minutes before measurement)
 after 1 year storage at 20 °C

capacity
 rated: 280 mAh
 minimum: 250 mAh
 ditto
 all measurements at 22 ± 2 °C ambient

discharge at 1.5kΩ load; discharge 24hours/day
 End Voltage (EV): 0.9V

Standard discharge time
 minimum: 285 h
 ditto (for QC measurement)

Discharge current
 standard: ≤ 2.0 mA

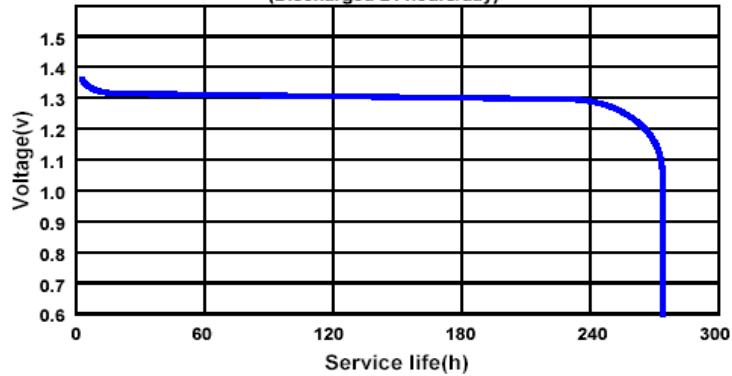
available current: 8.0 mA at 1.1V

impulse load voltage: ≥ 1.1 V
 measured after 2s load
 load resistance 150Ω

impedance: ≤ 4 Ω measured at 1kHz

Discharge diagram:

MINIMUM DISCHARGE CHARACTERISTICS AT 1500Ω 25°C 60%RH
 (Discharged 24 hours/day)

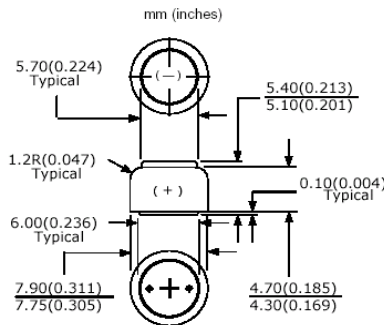


shelf life: 3 years under proper storage conditions (ta: ≤ 22 °C; RH: 60 ± 15%)

operating temperature range: 0...50 °C

mechanical specifications:

dimensions:



Volume: 0.25 cm³

Nominal weight: 0.84 g



	ANSMANN Specifications for model:	A13 Zinc Air Battery 6pcs blister package
	data sheet no. / part no.	5013243
	Version no.	
	author / date	Gramlich / 21.01.2010