

battery type: Zinc-Air button cell (hearing aid battery)
battery size: A312; PR41
chemical system: Zinc - Air / Zn-O₂

Conditions

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

all measurements at 22 ± 2 °C ambient

capacity rated: 160 mAh (discharge at 1.5kΩ load; discharge 24hours/day)
 End Voltage (EV): 0.9V

minimum: 140 mAh ditto

Standard discharge time minimum: 160 h ditto (for QC measurement)

Discharge current standard: ≤ 1.5 mA

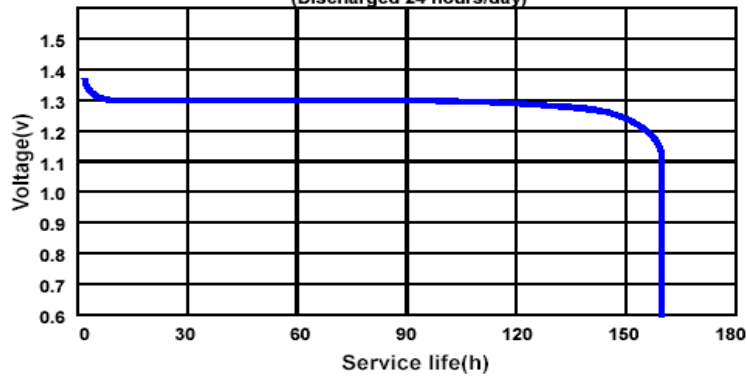
available current: 6.0 mA at 1.1V

impulse load voltage: ≥ 1.1 V (measured after 2s load)
 load resistance 200Ω

impedance: ≤ 5 Ω (measured at 1kHz)

Discharge diagram:

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

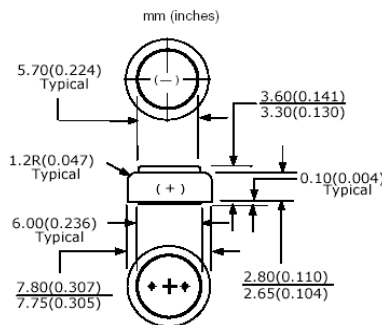


shelf life: 3 years under proper storage conditions (ta: ≤ 22 °C; RH: 60 ± 15%)

operating temperature range: 0...50 °C


mechanical specifications:

dimensions:



Volume: 0.17 cm³

Nominal weight: 0.54 g

	ANSMANN Specifications for model:	A312 Zinc Air Battery
	data sheet no. / part no.	5013233
	Version no.	
	author / date	Gramlich / 21.01.2010