

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

Conditions

nominal voltage: 1.45 V
open circuit voltage: 1.35...1.45 V
 1.35...1.45 V
 new battery (pull off tap min. 30 minutes before measurement)
 after 1 year storage at 20°C

capacity all measurements at 22 ± 2°C ambient
typical: 180 mAh discharge at 1.5kΩ load; discharge 24hours/day
 End Voltage (EV): 0.9V
minimum: 155 mAh ditto

Standard discharge time
minimum: 175 h ditto (for QC measurement)

Discharge current
standard: ≤ 1.5 mA
available current: 6.0 mA at 1.1V

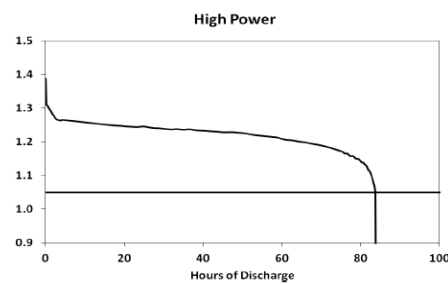
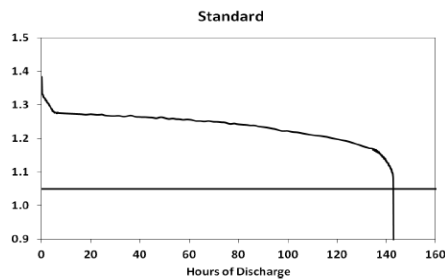
impulse load voltage: ≥ 1.1 V measured after 2s load
 load resistance 200Ω

impedance: ≤ 5 Ω measured at 1kHz

Discharge diagram:

ANSI/IEC Hearing Aid Standard Test 143 hours – 1.2 mA background, 5 mA 100 ms pulse, once every 2 hours, 12 hours/day to 1.05V at 70°F (21° C) and 50% RH.

ANSI/IEC Hearing Aid High Power Test 84 hours – 2 mA background, 10 mA 100 ms pulse, once every 2 hours, 12 hours/day to 1.05V at 70°F (21° C) and 50% RH.

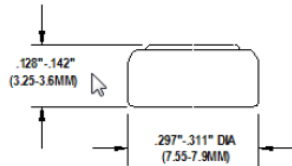


shelf life: 4 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)

operating temperature range: 0...50 °C

mechanical specifications:

dimensions:



Volume: 0.17 cm³
Nominal weight: 0.50 g

Blister card

dimensions: 44 x 96 mm

	ANSMANN Specifications for model:	A312 Zinc Air Battery "mercury free" 6pcs blister package
	data sheet no. / part no.	5013233
	supplier no.	703619
	author / date	TG / 23.03.2015