

battery type: Zinc-Air button cell (hearing aid battery)
battery size: A10; PR70
chemical system: Zinc - Air / Zn-O₂

Conditions

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

capacity all measurements at 22 ± 2°C ambient
 typical: 100 mAh discharge at 3kΩ load; discharge 24hours/day
 End Voltage (EV): 0.9V
 minimum: 90 mAh ditto

Standard discharge time
 minimum: 200 h ditto (for QC measurement)

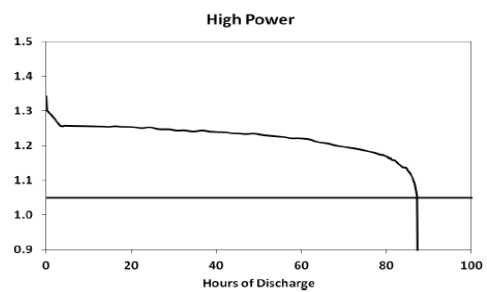
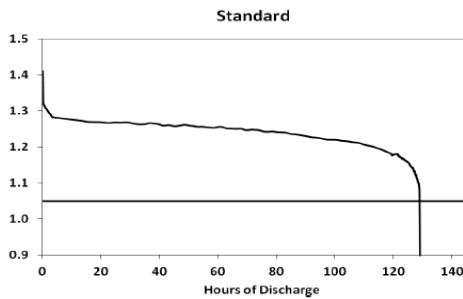
Discharge current
 standard: ≤ 1.0 mA
 available current: 3.0 mA at 1.1V

impulse load voltage: ≥ 1.1 V measured after 2s load
 load resistance 270Ω

impedance: ≤ 8 Ω measured at 1kHz

Discharge diagram:

ANSI/IEC Hearing Aid Standard Test	129 hours – 0.7 mA background, 3 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	87 hours – 1 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.
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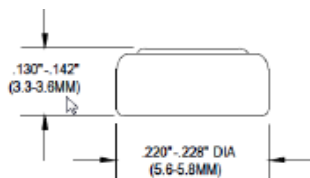


shelf life: 4 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)

operating temperature range: 0...50 °C

mechanical specifications:

dimensions:



Volume: 0.08 cm³

Nominal weight: 0.30 g

Blister card

dimensions: 44 x 84 mm



	ANSMANN Specifications for model:	A10 Zinc Air Battery "mercury free"
	data sheet no. / part no.	5013223
	supplier no.	703619
	author / date	TG / 23.03.2015