



**THE DATASHEET OF
5013243-XX**



battery type: Zinc-Air button cell (hearing aid battery)
battery size: A13; PR48
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; R.H 50%
 typical: 310 mAh (discharge at 1.5kΩ load; discharge 24hours/day
 End Voltage (EV): 0.9V)

Discharge performance

Hearing Aid	typ. 144 h min. 136 h	2mA background, 6mA 100ms pulse, once every 2h, 12h/d, EV: 1.05V (for QC measurement, without 6mA 100ms pulse)
IEC / ANSI Standard	typ. 86 h min. 81 h	3mA background, 12mA 100ms pulse, once every 2h, 12h/d, EV: 1.05V (for QC measurement, without 12mA 100ms pulse)
IEC / ANSI Wireless	typ. 65 h min. 62 h	3mA background 45min, 5mA 15min pulse, every h, 12h/d, EV: 1.1V (for QC measurement)

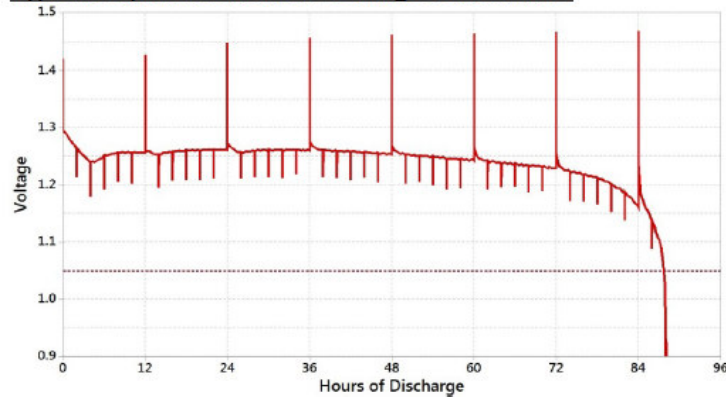
Test standards accord. IEC 60086-1, IEC 60086-2, ANSI C18.1M Parts 1&2

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

impedance: ≤ 7.5 Ω (measured at 1kHz AC)

Discharge diagram:

Typical IEC/ANSI Standard Discharge Performance

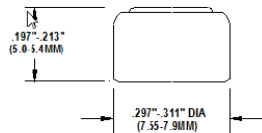


shelf life: 4 years (under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%))

operating temperature range: -10...50 °C


mechanical specifications:

dimensions:



Volume: 0.26 cm³

Nominal weight: 0.79 g

	ANSMANN Specifications for model:	A13 Hearing Aid Battery Zinc-Air "mercury free"
	data sheet no. / part no.	
	s.n.	703619
	author / date	TG / 07.04.2021

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