



**THE DATASHEET OF
5013233-XX**



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; R.H 50%
 typical: 180 mAh discharge at 1.5kΩ load; discharge 24hours/day
 End Voltage (EV): 0.9V

Discharge performance

Hearing Aid	typ. 140 h min. 133 h	1.2mA background, 5mA 100ms pulse, once every 2h, 12h/d, EV: 1.05V (for QC measurement, without 5mA 100ms pulse)
IEC / ANSI Standard	typ. 84 h min. 80 h	2mA background, 10mA 100ms pulse, once every 2h, 12h/d, EV: 1.05V (for QC measurement, without 10mA 100ms pulse)
IEC / ANSI Wireless	typ. 53 h min. 50 h	2mA background 45min, 5mA 15min pulse, every h, 12h/d, EV: 1.1V (for QC measurement)

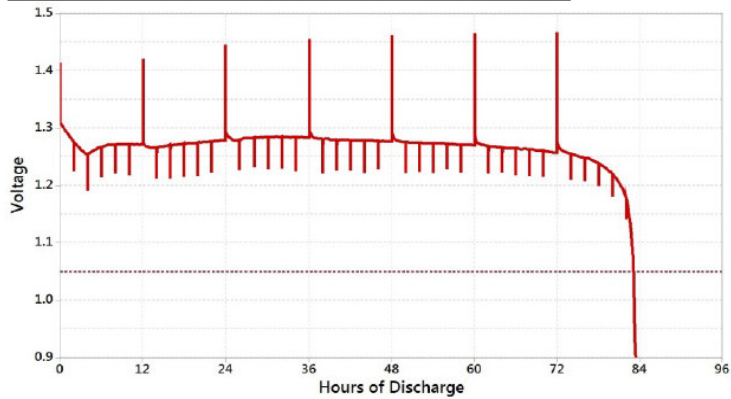
Test standards accord. IEC 60086-1, IEC 60086-2, ANSI C18.1M Parts 1&2

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

impedance: ≤ 6.5 Ω measured at 1kHz AC

Discharge diagram:

Typical IEC/ANSI Standard Discharge Performance

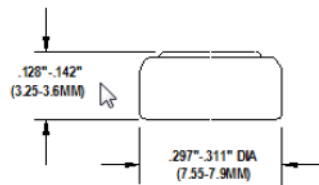


shelf life: 4 years under proper storage conditions (ta: ≤ 22°C; RH: 60 ± 15%)

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


mechanical specifications:

dimensions:



Volume: 0.17 cm³

Nominal weight: 0.50 g

	ANSMANN Specifications for model:	A312 Hearing Aid Battery
	data sheet no. / part no.	Zinc-Air "mercury free"
	s.n.	703619
	author / date	TG / 07.04.2021

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