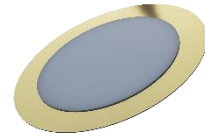




PUIaudio



Data Sheet

HD-PAB2701-2

Features:

- 27mm large displacement actuator
- Thin profile
- Ideal for high voltage Haptics applications

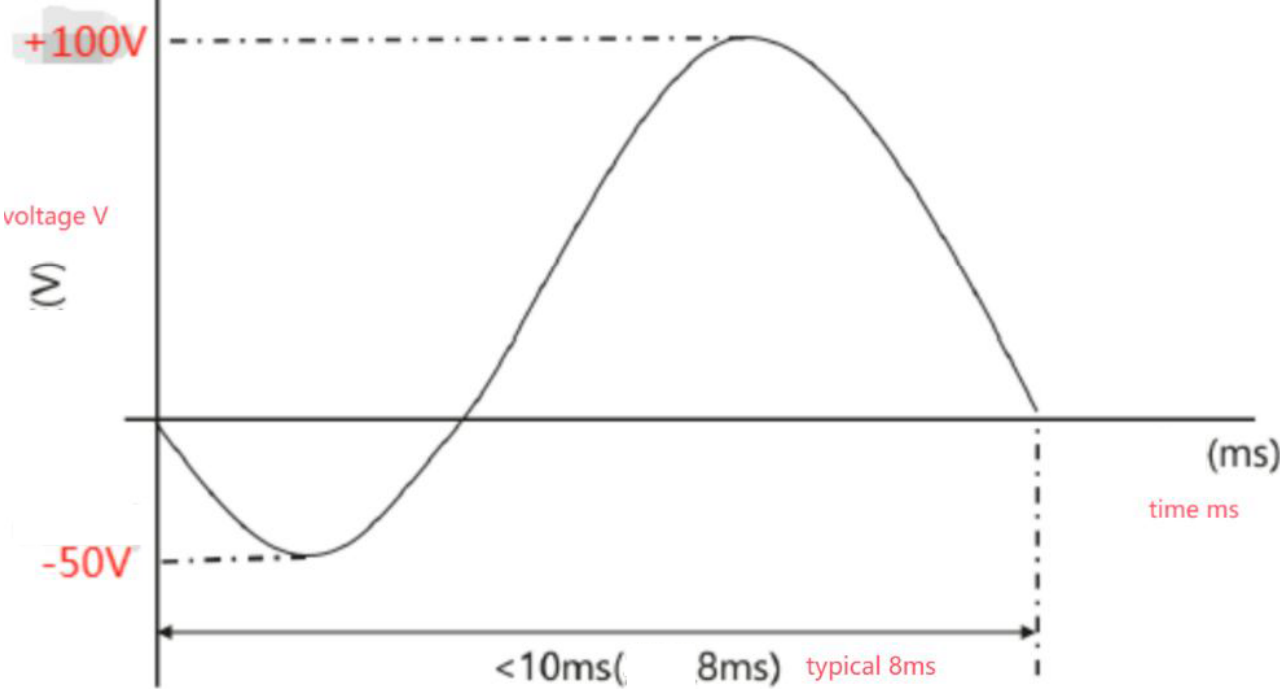
Design:

- Actuator dimensions: Ø27 x 0.23 (mm)

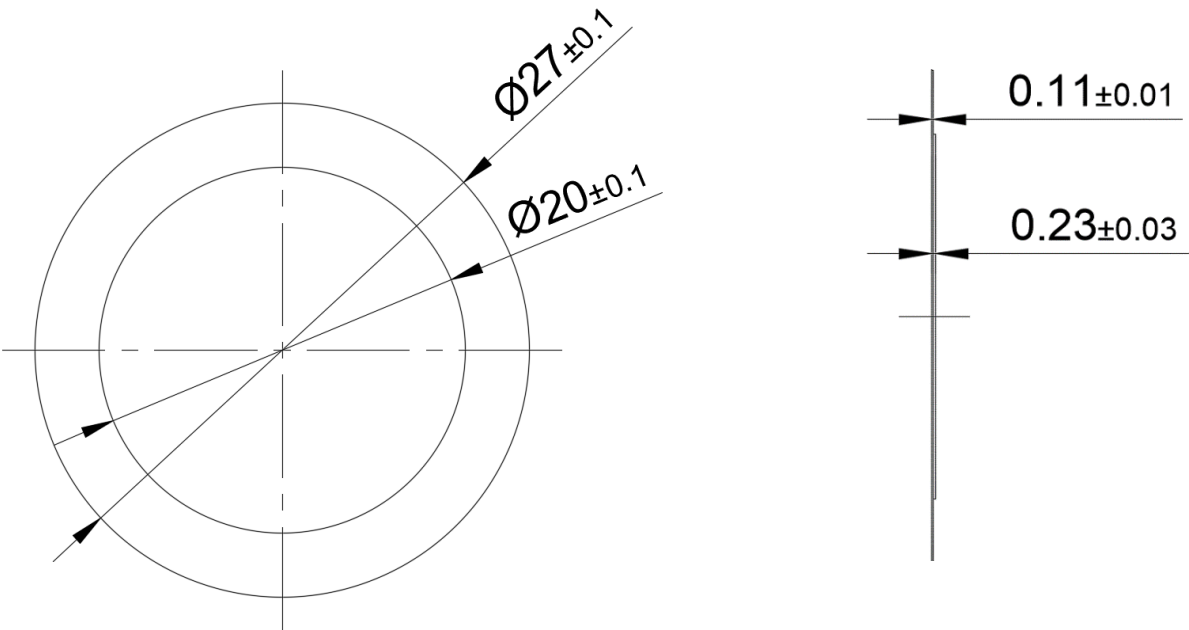
Specifications

Parameters	Values	Units
Maximum Input Voltage	≤100	Vp-p
Working Voltage Range	-50 ~ +100	Vp-p
Nominal Displacement	75	μM (@50Hz, 100Vpp)
Capacitance	45,000 ± 12	pF (at 1V, 100Hz)
Resonant Frequency	2,000 ± 500	Hz
Storage Temperature	-20 ~ +75	°C
Operating Temperature	-10 ~ +70	°C
Environmental Compliances	RoHS/REACH	Exempt 7c-1
Soldering Methods	Lead-free silver tin solder, ≤ 280°C	

Drive Voltage



Dimensions (PZT Ceramic (+), Brass Substrate (-), (mm))



Note:

The silver electrode layer serves as the negative electrode, while the

piezo ceramic links to the negative electrode of the driving voltage, and the brass plate connects to the positive electrode of the driving voltage.

Packaging:

- Paper roll, 100 pcs/roll

Specifications Revisions

Revision	Description	Date	Approved
A	RELEASED FROM ENGINEERING	8/1/2023	
B	Updated working voltage, nominal displacement, and added resonant frequency	3/7/2025	JD

Note:

1. Unless otherwise specified:
 - A. All dimensions are in millimeters.
 - B. Default tolerances are $\pm 0.5\text{mm}$ and angles are $\pm 3^\circ$.
2. Specifications subject to change or withdrawal without notice.