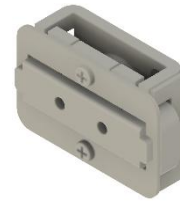




# PUI audio



Data Sheet

ASX02208

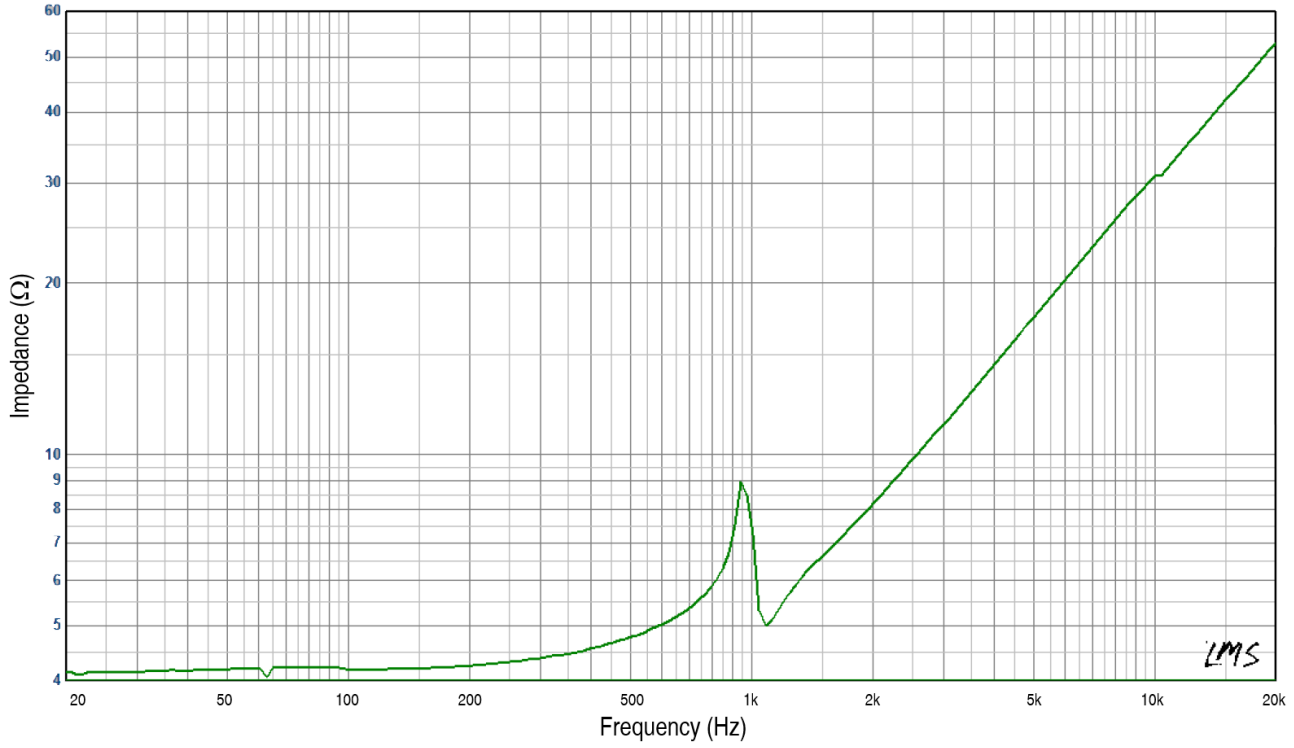
## Features

- Small 21.8mm x 14mm package
- 950 Hz Resonant Frequency
- 3W rated Input power

## Specifications

Parameters	Values	Units
Rated Continuous Input Power	3	W
Maximum Input Power	5	W
Impedance	8±15%	Ω
Resonant Frequency ( $f_0$ )	950 ±20%	Hz
Weight	9.15	gr
Buzz, Rattle, etc.	Not audible with $V_{DRIVE} = 3.46V_{RMS}$ , $200Hz \leq f \leq 20kHz$ sine wave	-
Environmental Compliances	RoHS/REACH	-
Polarity	Applying positive dc-current to "+" terminal moves exciter surface forward	-
Operating Temperature	$-20 \leq T_0 \leq 60$	°C
Storage Temperature	$-46 \leq T_S \leq 71$	°C
Humidity Range	$15 \leq RH \leq 95$	%

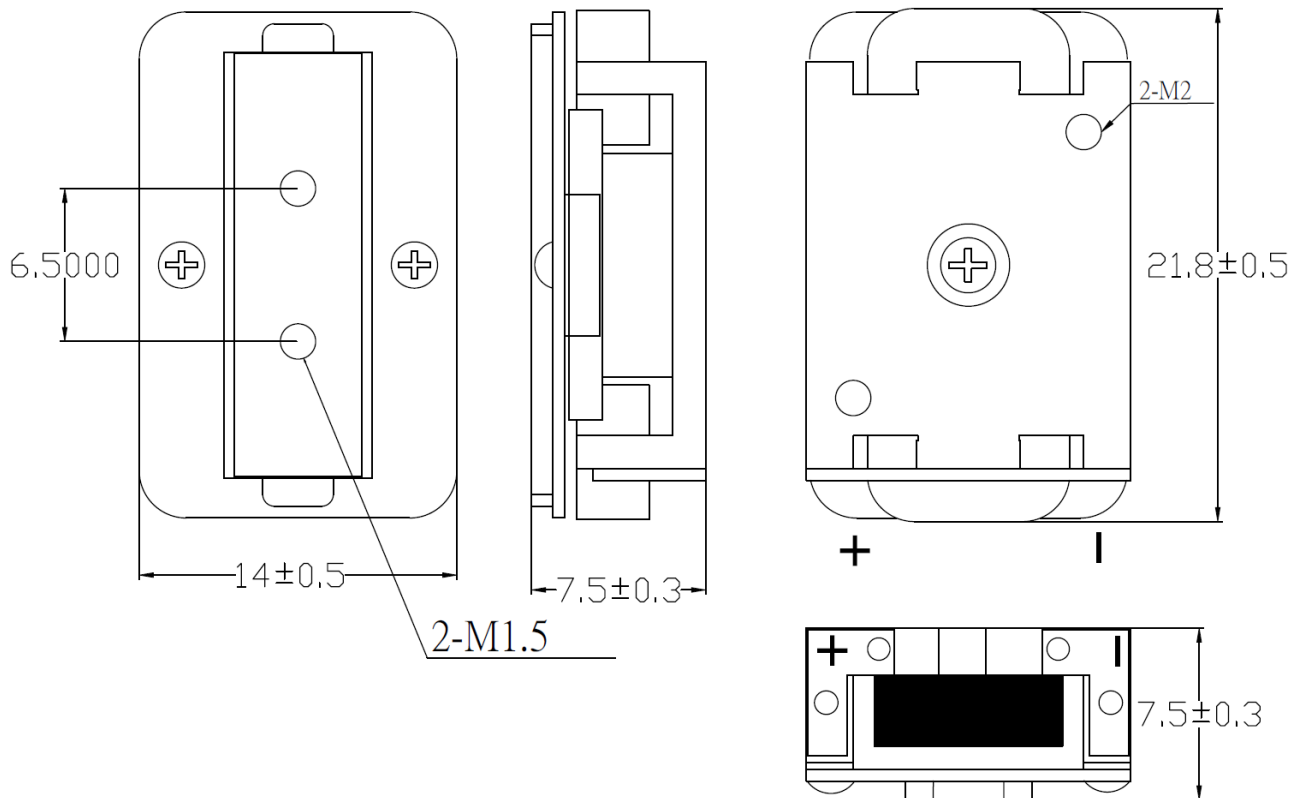
## Impedance Response vs. Frequency



## Reliability Testing

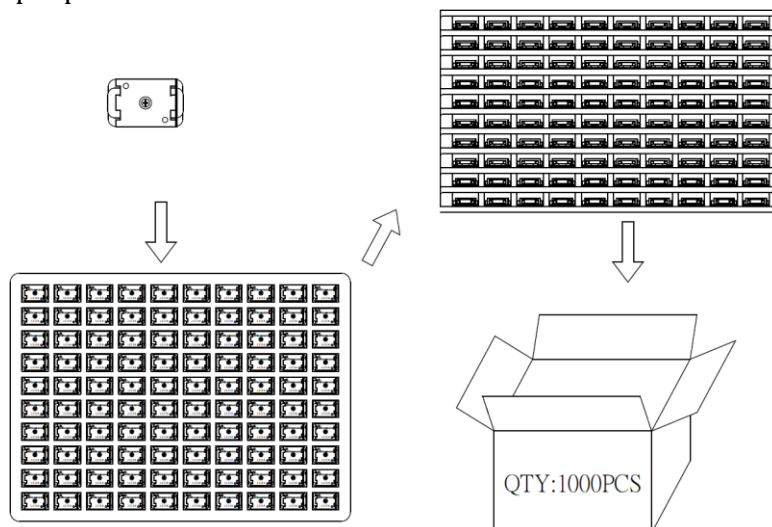
Type of Test	Test Specifications
High Temperature Test	24 hours at 60°C, ±2°C
Low Temperature Test	1 hour at -10°C, ±3°C, then 2 hours at -20°C, ±3°C
Humidity Test	48 hours at 40°C, ±2°C with relative humidity at 93%
Drop Test	Drop the speaker 600mm, temperature = 60°C, ±5°C
Load Test	Complies with IEC 268-5. $V_{DRIVE} = 4.90V_{RMS}$ , duration = 48hrs.

## Dimensions



## Packaging

50pcs per tray, 1000pcs per master carton



Specifications Revisions

<b>Revision</b>	<b>Description</b>	<b>Date</b>	<b>Approved</b>
A	Preliminary Datasheet Released from Engineering	05/22/2026	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 cannot be changed without customer approval.
3. For applications that are to be subjected to external force, shock, or vibration, PUI recommends mechanical reinforcement to ensure rigid coupling beyond that provided by the 3M VHB F-9473PC 2-sided tape. Rear Magnet contains threads for installing a screw mount bracket.