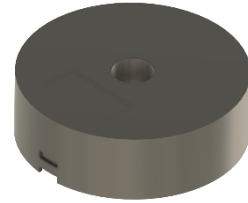




# PUI audio



Data Sheet

AT-2240-TT-4

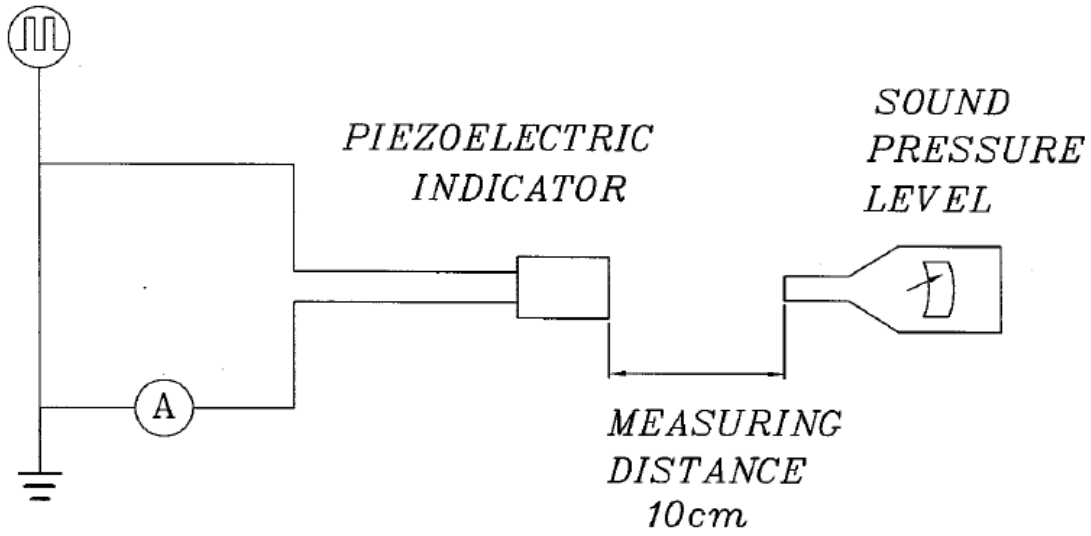
## Features:

- Low profile transducer
- 4kHz resonant frequency
- Wide voltage range for variety of uses

## Specifications

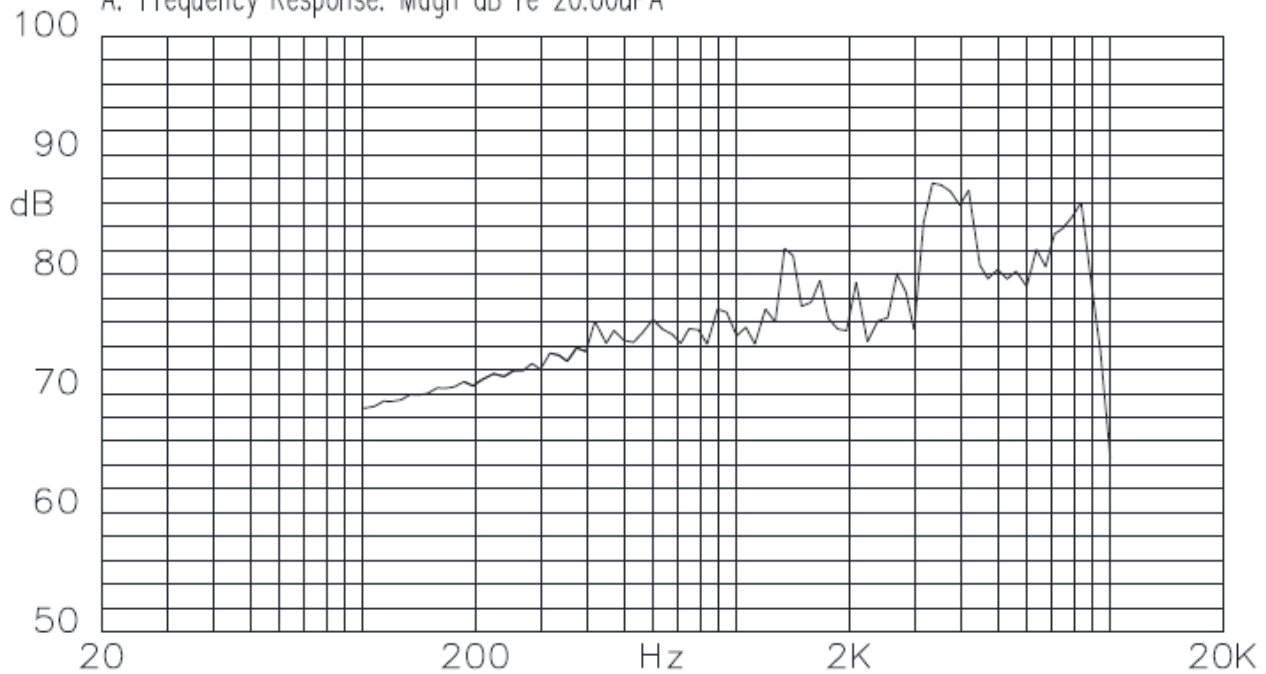
Parameters	Values	Units
Rated Voltage	3	Vp-p
Operating Voltage Range	2~30	Vp-p
Current Draw at Rated Voltage	6	mA
Capacitance	26,000 ± 30%	pF
Minimum SPL @ 10cm	85	dBA
Resonant Frequency	4,000 ± 500	Hz
Housing Material	PBT (Black)	-
Terminal Material	Sn Plating	-
Weight	2.07	Grams
Environmental Compliances	<i>RoHS/REACH</i>	Ex. 7c-1
Storage Temperature	-40 ~ 80	°C
Operating Temperature	-35 ~ 80	°C

### Measurement Method (10Vpp; 4.1kHz)

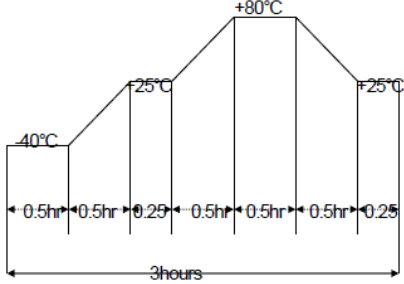


### Typical Frequency Response (10Vpp; 4.1kHz)

A: Frequency Response. Magn dB re 20.00uPA

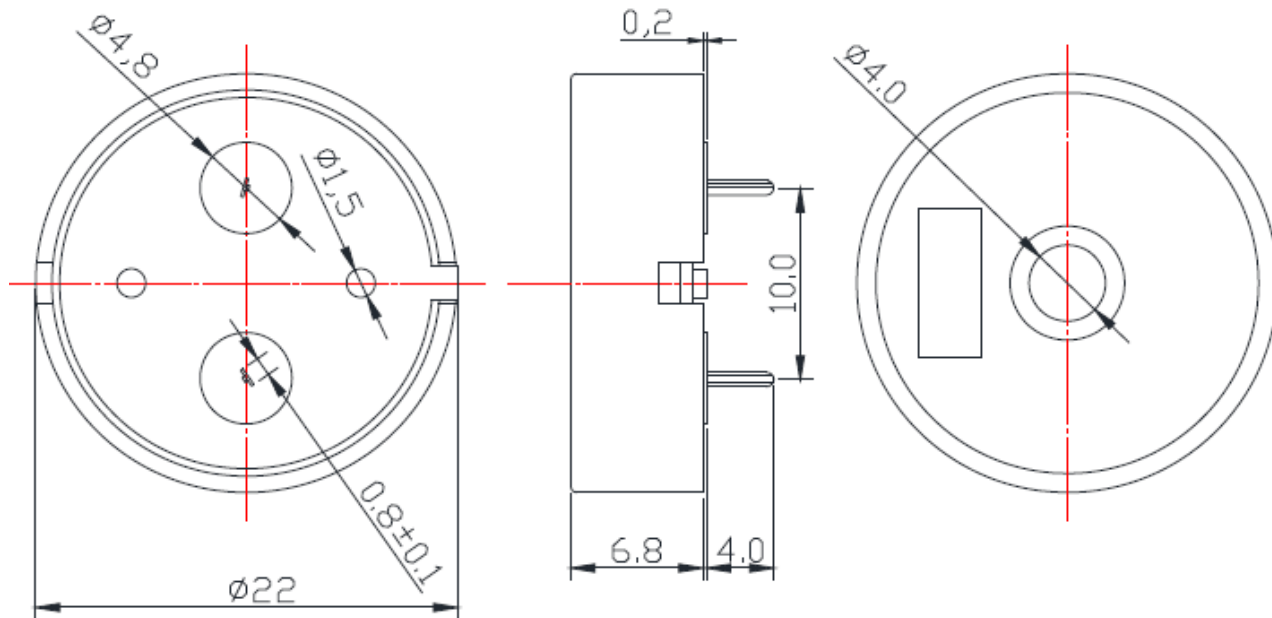


## Reliability Testing

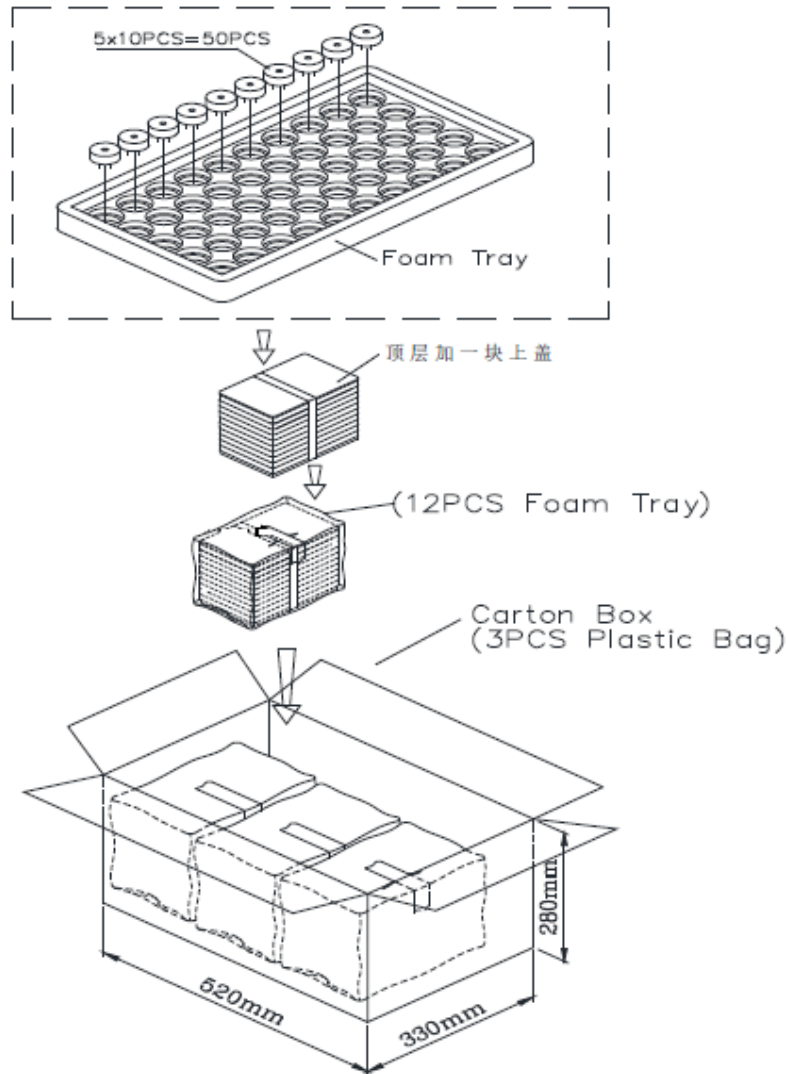
Type of Test	Test Specifications
High Temperature Test	96 hours at 80°C
Low Temperature Test	96 hours at -40°C
Humidity Test	96 hours at 40°C with relative humidity at 90%
Temperature Cycle Testing	Run for 5 cycles with each cycle consisting of: 
Vibration Test	Frequency: 10Hz to 55Hz; Amplitude: 1.55mm 2 hours in each of the X,Y, and Z axes
Drop Test	Drop from a height of 75cm onto a 40mm thick board 3 times in each of the X, Y, and Z axes

After each test, let the part rest for 4 hours, then the change in SPL shall be within  $\pm 10\text{dB}$

## Dimensions



## Packaging



Foam Tray	315mmx170mmx28mm	1x50PCS=50PCS
Plastic Bag		12x50PCS=600PCS
Carton Box	520mmx330mmx280mm	3x600PCS=1800PCS

### Specifications Revisions

Revision	Description	Date	Approved
A	Released from Engineering	11/27/24	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.