



# PUIaudio



Data Sheet

AT-1240-TT

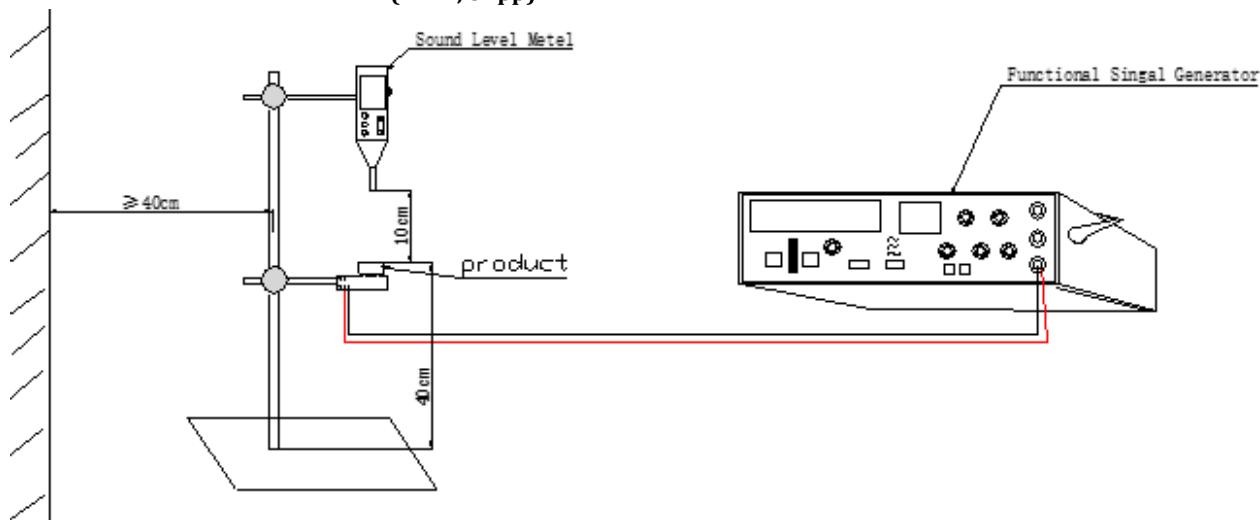
## Features:

- Small 12mm x 5.5mm size
- Wide 1 to 20Vpp Operating Voltage Range
- 4kHz resonant frequency

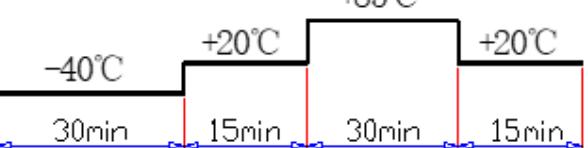
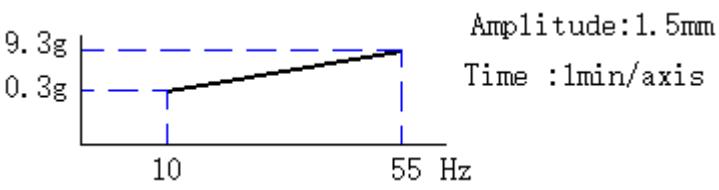
## Specifications

Parameters	Values	Units
Rated Voltage	5	Vp-p
Operating Voltage Range	1 ~ 20	Vp-p
Current Draw at Rated Voltage	5	mA
Capacitance	$12,000 \pm 30\%$	pF
Minimum SPL @ 10cm	80	dBA
Resonant Frequency	$4,000 \pm 500$	Hz
Housing Material	Black PPO	-
Terminal Material	Red Copper	-
Weight	1	Grams
Environmental Compliances	<i>RoHS/REACH</i>	Ex. 7c-1
Storage Temperature	-40 ~ 85	°C
Operating Temperature	-30 ~ 70	°C

## Measurement Method (4kHz, 5Vpp)

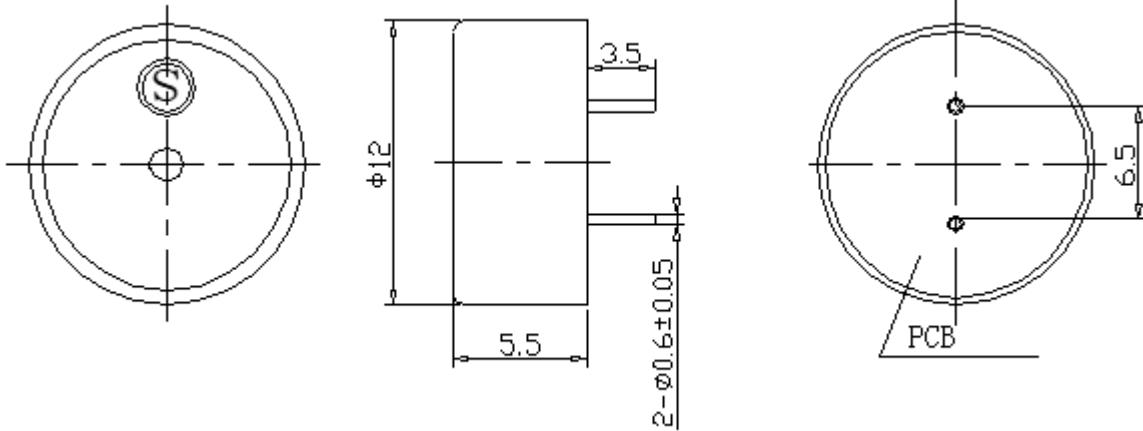


## Reliability Testing

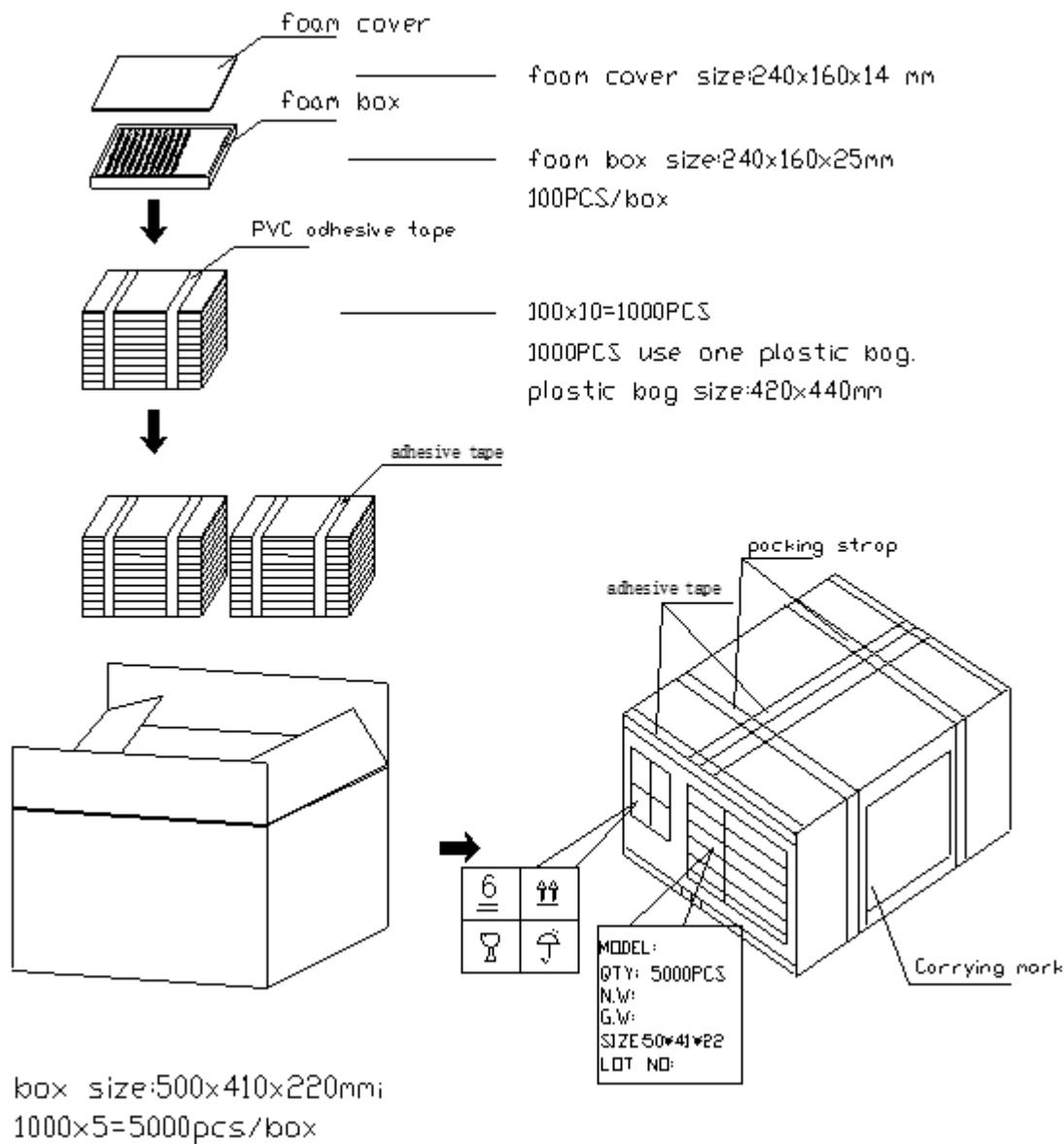
Type of Test	Test Specifications
High Temperature Test	96 hours at 85°C
Low Temperature Test	96 hours at -40°C
Humidity Test	96 hours at 40°C with relative humidity at 90~95%
Temperature Cycle Testing	Run for 5 cycles with each cycle consisting of: 
Vibration Test	 Run in the X, Y and Z directions for 2 hours each
Drop Test	Free drop a unit from the height 70cm to the surface of a 10mm thick board, in three directions(X,Y,Z).

After each test, let the part rest for 2 hours, then the change in SPL shall be within  $\pm 5\text{dB}$

## Dimensions



## Packaging



### Specifications Revisions

Revision	Description	Date	Approved
A	Released from Engineering	5/27/2025	JD

Note:

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