



# PUIaudio



Data Sheet

AT-1220-TT-8-R

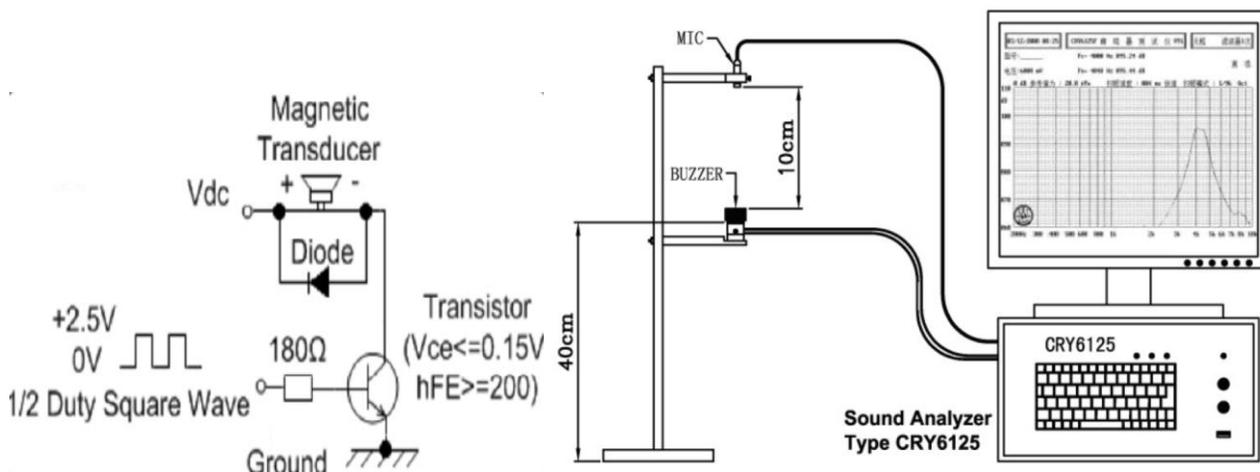
## Specifications

Parameters	Values	Units
Rated Voltage	1.5	V0-p
Operating Voltage Range	1 ~ 2	V0-p
Current Draw at Rated Voltage	20	mA
Coil Resistance	50 ± 5	Ohm
Minimum SPL @ 10cm	80	dBA
Resonant Frequency	2,048 ± 500	Hz
Housing Material	PPO	-
Terminal Material	Au Plated Brass	-
Weight	2	Grams
Acceptable Soldering Methods	Hand Solder/Wave Solder	-
Environmental Compliances	RoHS/REACH	-
Storage Temperature	-30 ~ +70	°C
Operating Temperature	-20 ~ +60	°C

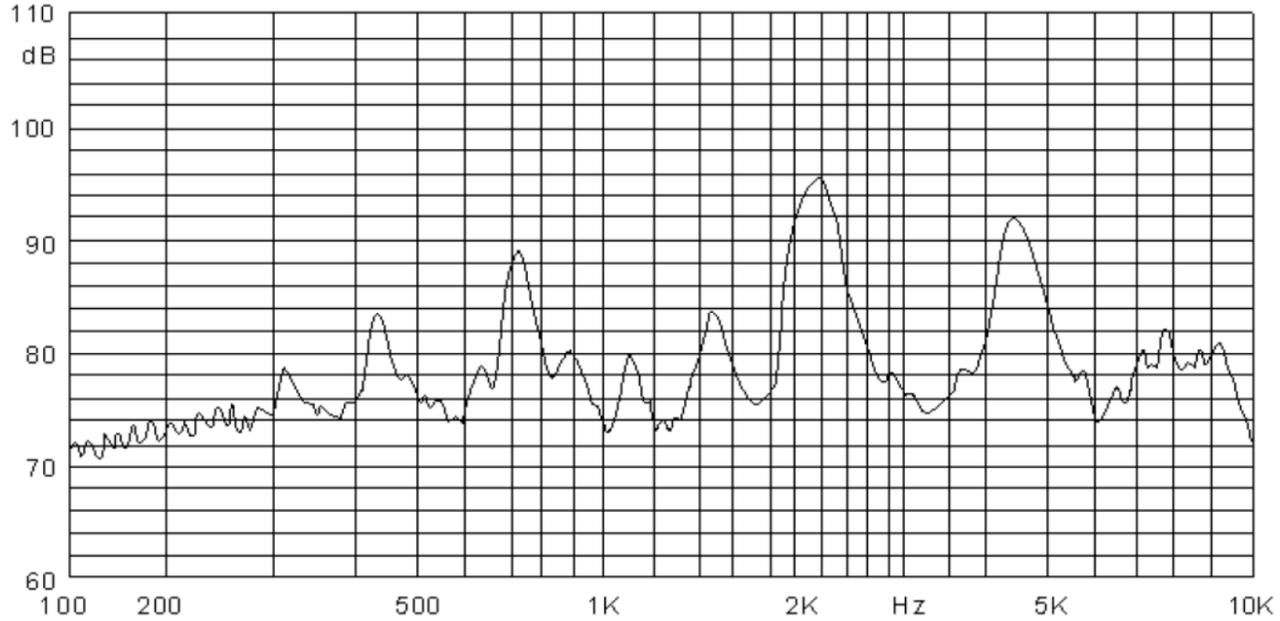
**\*Washing not allowed**

## Measurement Method (Temperature: 25±3°C; Relative Humidity: 60% ~ 70%)

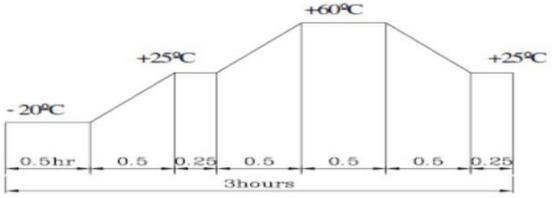
Standard Test Fixture (Distance: 10cm, 1.5V0-p, 2048Hz square wave)



## Typical Frequency Response

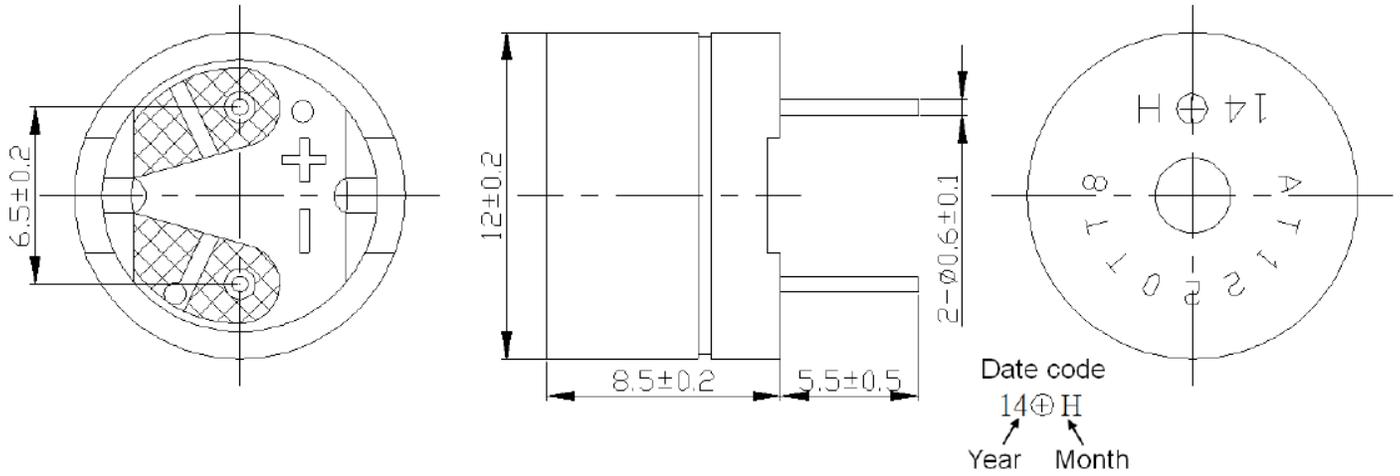


## Reliability Testing

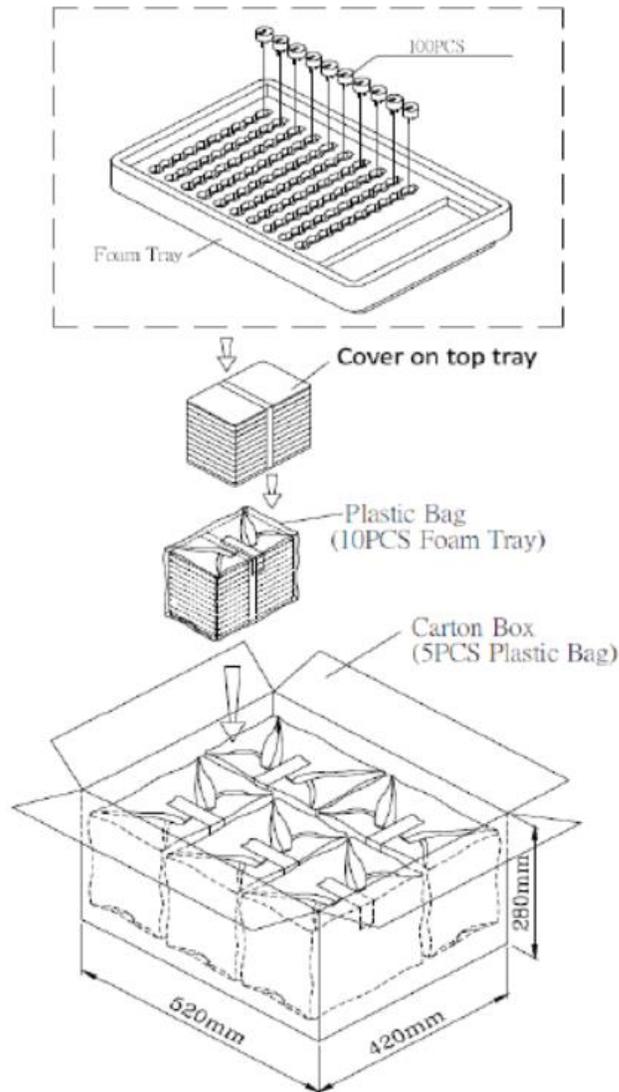
Type of Test	Test Specifications
High Temperature Test	96 hours at +70°C±2°C then rest at room temperature for 2 hours without applying power
Low Temperature Test	96 hours at -30°C±2°C then rest at room temperature for 2 hours without applying power
Humidity Test	96 hours at +40°C±2°C with relative humidity at 90-95% then rest at room temperature for 2 hours without applying power
Temperature Cycle Testing	 <p>Test for 5 cycles without applying power, then expose to room temperature for 2 hours</p>
Vibration Test	Apply vibration amplitude of 1.5mm with 10-55Hz band frequency in X,Y,Z directions for 2 hours each (6 hours total)
Drop Test	Drop a piece from a height of 75cm to the surface of a 4cm thick board, drop any direction, 6 times.

**After these tests, the piece should test within ± 10dB of the original SPL**

## Dimensions



## Packaging



Foam Tray	240mmx160mmx30mm	1x100PCS=100PCS
Plastic Bag		10x100PCS=1000PCS
Carton Box	520mmx420mmx280mm	5x1000PCS=5,000PCS

**Specifications Revisions**

<b>Revision</b>	<b>Description</b>	<b>Date</b>
A	RELEASED FROM ENGINEERING	6/30/2014

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.