



# PUIaudio



Data Sheet

AI-1622-TWT-5V-R

## Features:

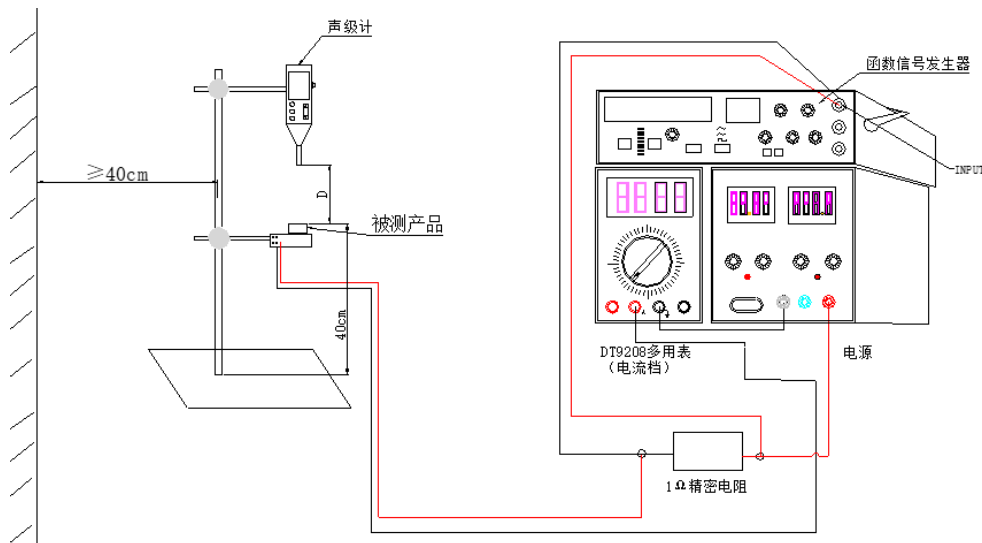
- Top-firing, thru-hole magnetic indicator
- 5 V<sub>DC</sub>, 2200 Hz resonant frequency
- Wave Solder and Wash Allowed

## Specifications

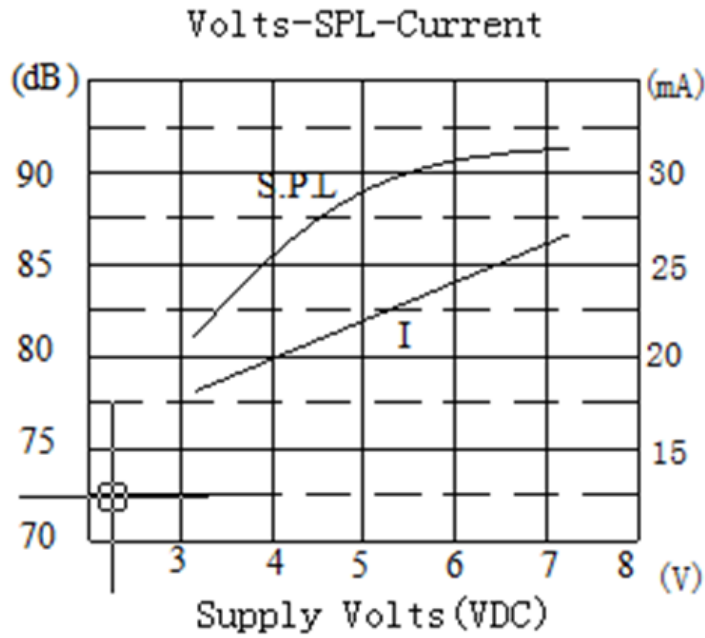
Parameters	Values	Units
Rated Voltage	5	V <sub>DC</sub>
Operating Voltage Range	4 ~ 8	V <sub>DC</sub>
Current Draw at Rated Voltage	30(Max.)	mA
Minimum SPL @ 10cm	85	dBA
Resonant Frequency	2,200±300	Hz
Tone or Pulse Rate	Continuous	-
Housing Material	NORYL	-
Terminal Material	Sn Plated Red Copper(DSn)	-
Weight	7	Grams
Acceptable Soldering Methods	Hand Solder, Wave Solder	See Following Details
Environmental Compliances	RoHS/REACH	-
Storage Temperature	-30 ~ +80	°C
Operating Temperature	-20 ~ +70	°C

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

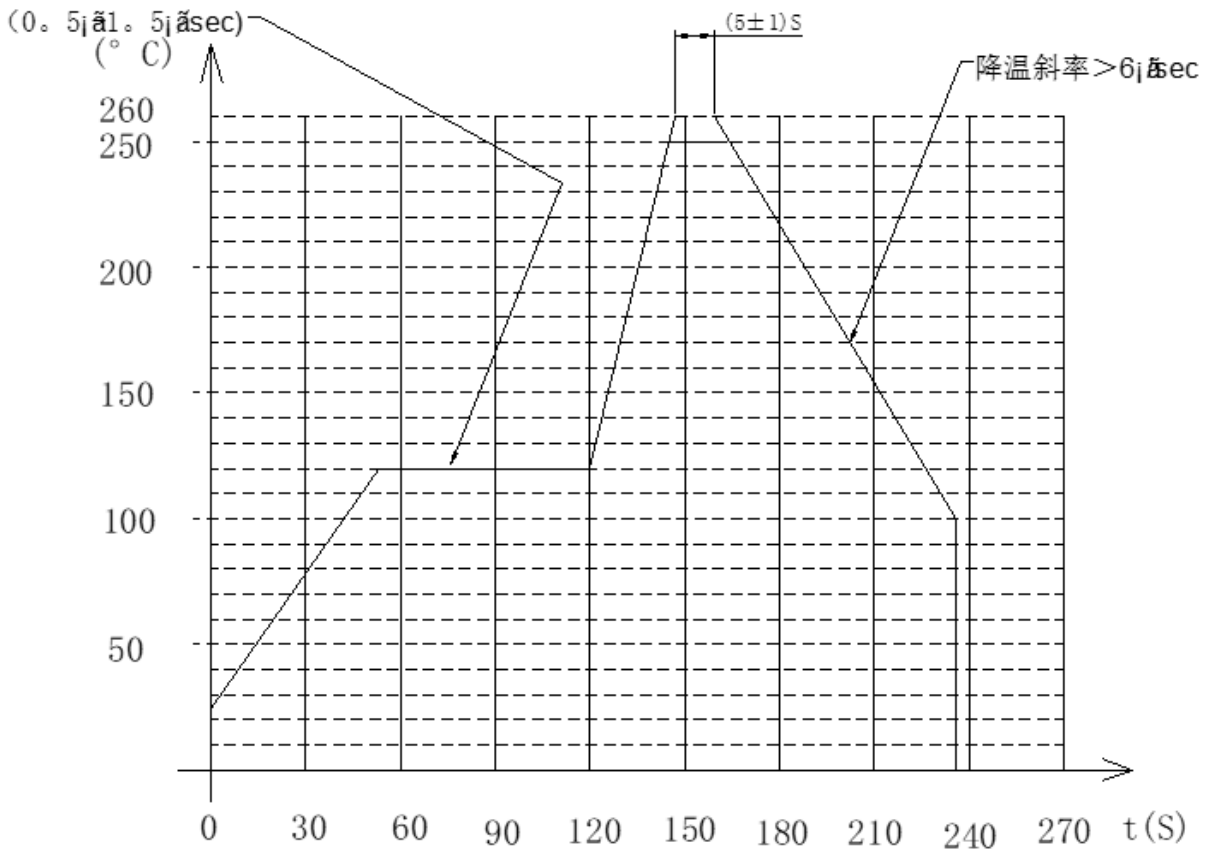
Standard test fixture (Distance=10cm, Power=5Vdc)



## Typical SPL vs Input Voltage



## Recommended Wave Soldering Procedure

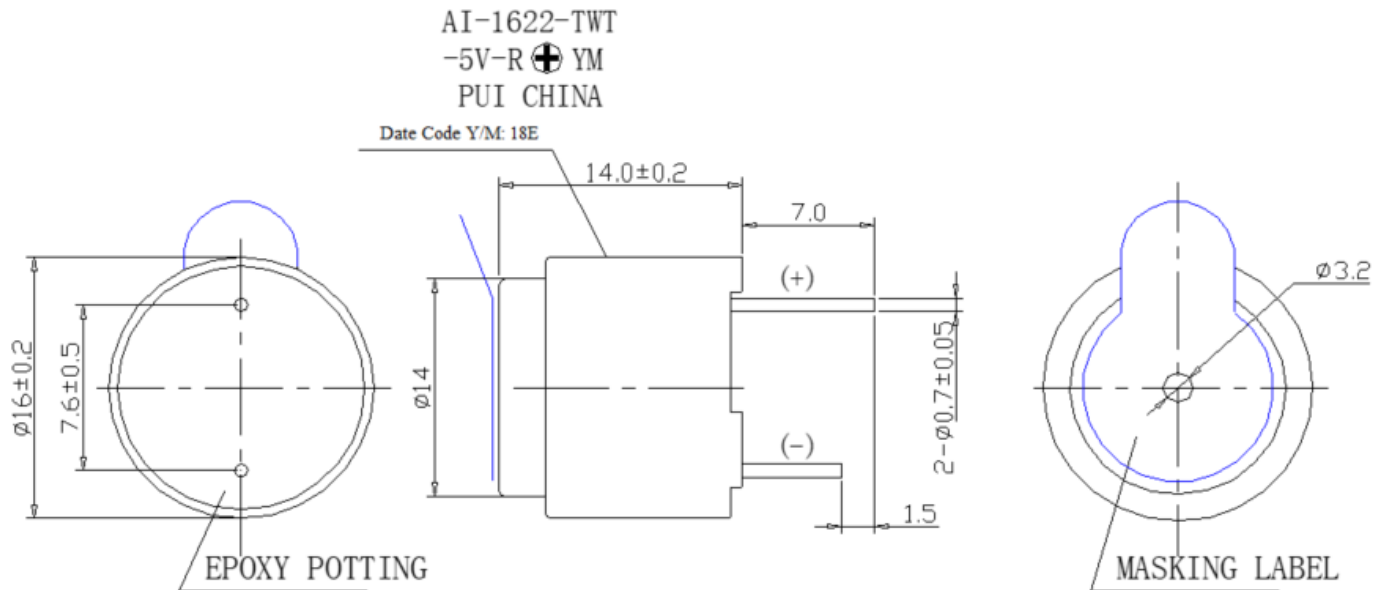


## Reliability Testing

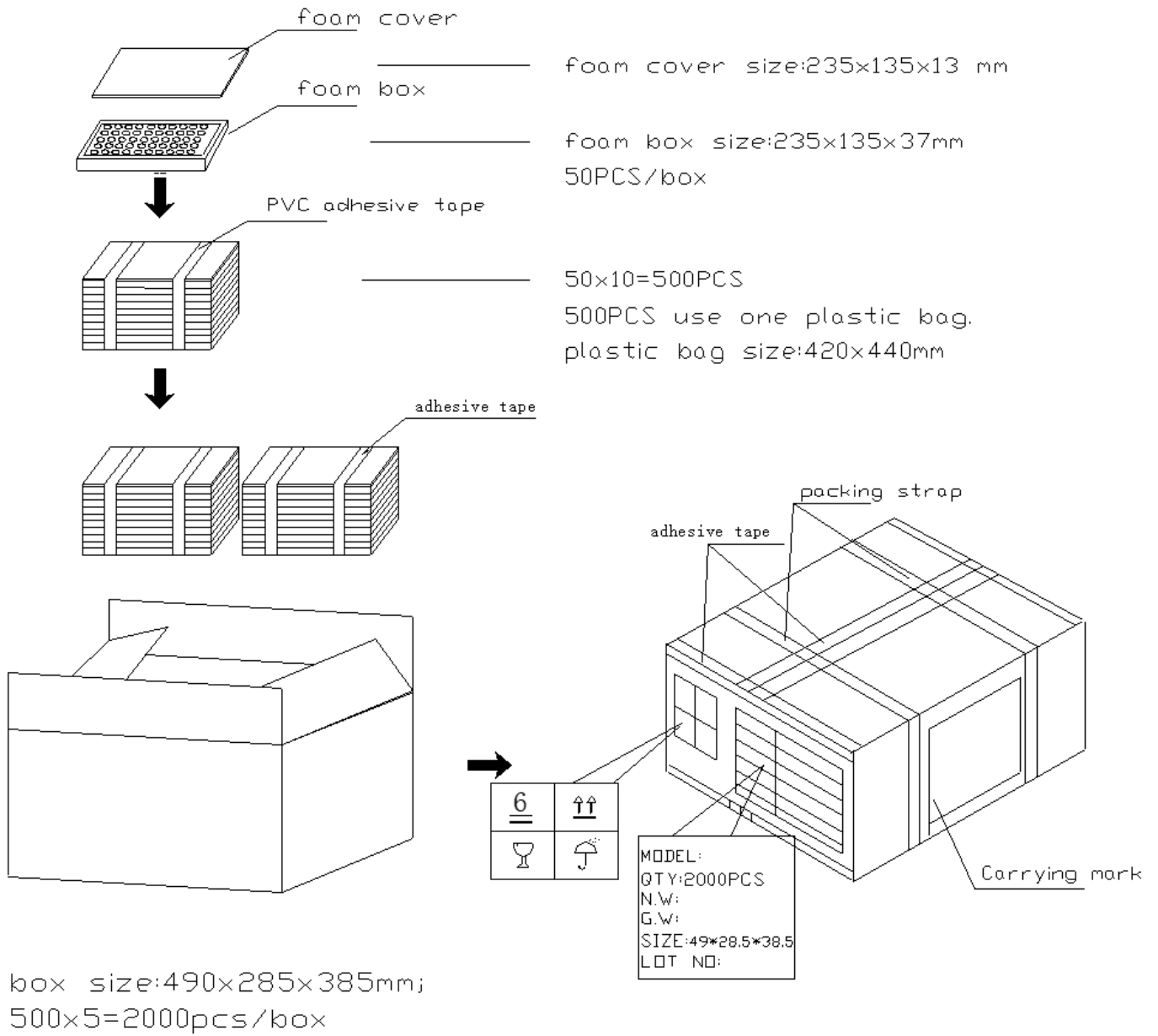
Type of Test	Test Specifications
High Temperature Test	96 hours at +80±2°C, then rest at room temperature for 2 hours without applying power.
Low Temperature Test	96 hours at -30±2°C, then rest at room temperature for 2 hours without applying power.
Humidity Test	96 hours at +40±2°C, 90-95% RH. Then expose to room temperature for 2 hours before testing.
Temperature Cycle Testing	<p>Complete the above test for 5 cycles without applying power. Then expose to room temperature for 2 hours before testing.</p>
Vibration Test	<p>Complete the above test in each X,Y,Z direction for 2 hours (6hrs total)</p>
Drop Test	Drop from height of 100cm onto 10mm thick board in X,Y,Z direction.

**\*After Tests, part SPL shall be within ±5dB.**

## Dimensions



## Packaging



### Specification Revisions

Revision	Description	Date	Approved
-	RELEASED FROM ENGINEERING	08/19/2004	-
A	Revised ROHS Statement	05/27/2005	BR
B	Revised Dimension and Style	11/21/2005	BR
C	Revised Terminal Material	03/20/2006	BR
D	Revised to Inventor 3D Template	12/05/2007	BR
E	Update Spec Format, Add details for Reliability, Packaging, Etc.	06/28/2024	ML

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.