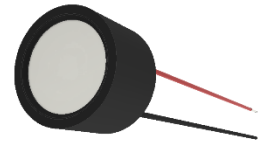




# PUI audio



Data Sheet

AI-1450-T-WP-LW80-R

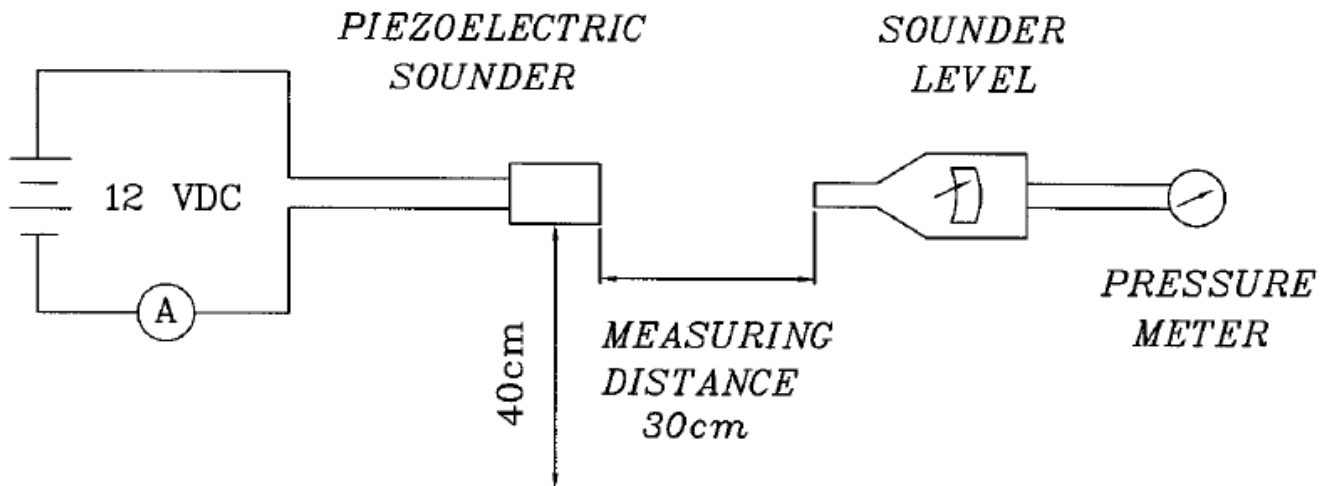
## Features

- IP67 Rated Piezo Indicator
- Lead wires for easy installation
- 5,000 Hz Resonant Frequency

## Specifications

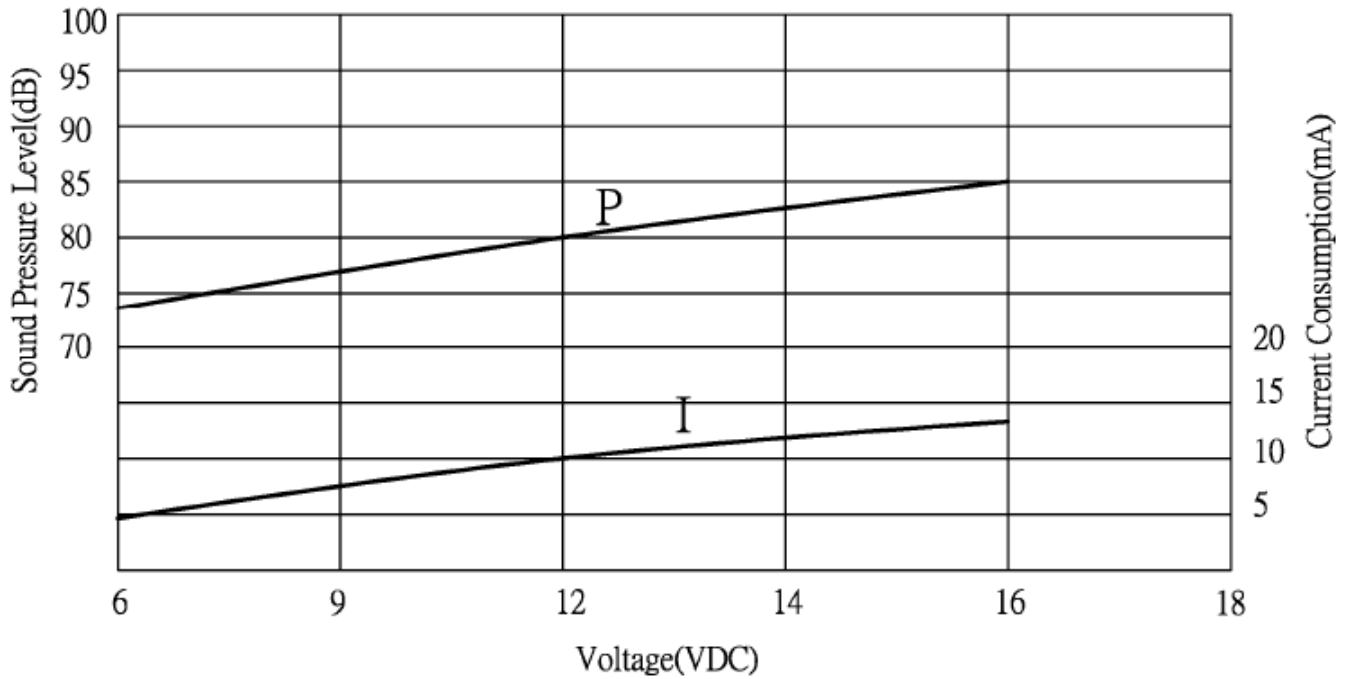
Parameters	Values	Units
Rated Voltage	12	VDC
Operating Voltage Range	9 ~ 16	VDC
Current Draw at Rated Voltage	35	mA
Minimum SPL @ 30cm	80	dBA
Resonant Frequency	5,000 ± 500	Hz
Tone or Pulse Rate	Continuous	-
Housing Material	ABS	-
Terminal Material	Lead Wire	-
Weight	10	Grams
Acceptable Soldering Methods	Hand Solder	-
Environmental Compliances	ROHS/REACH	Ex. 7c-1
Storage Temperature	-40 ~ +95	°C
Operating Temperature	-30 ~ +85	°C
IP Rating	IP67	-

## Measurement Method



## Voltage/Current Consumption

at 30cm

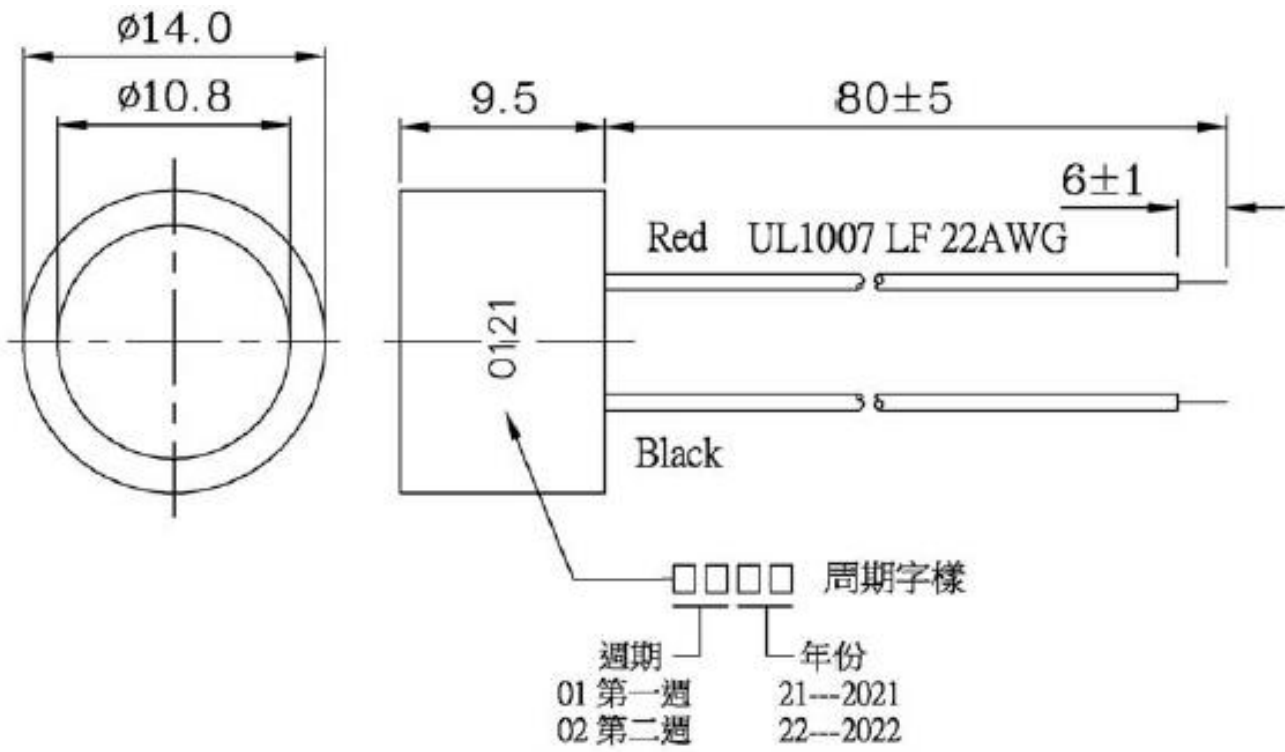


## Reliability Testing

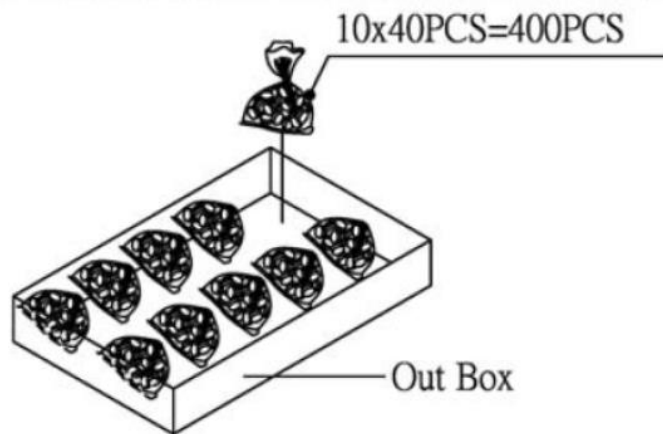
Type of Test	Test Specifications
High Temperature Test	240 hours at 95°C. Let stand in room condition for 4 hours before testing.
Low Temperature Test	240 hours at -40°C. Let stand in room condition for 4 hours before testing.
Humidity Test	240 hours at 40°C with relative humidity at 90-95%. Let stand in room condition for 4 hours before testing.
Temperature Cycle Testing	<p>Subject part to 5 cycles of test as shown above.</p>
Vibration Test	Apply vibration amplitude of 1.5mm with 10-55Hz band vibration frequency to each XYZ directions for 2 hours.
Drop Test	Drop onto wooden board 4cm thick in any direction for 6 times, at height of 75cm.

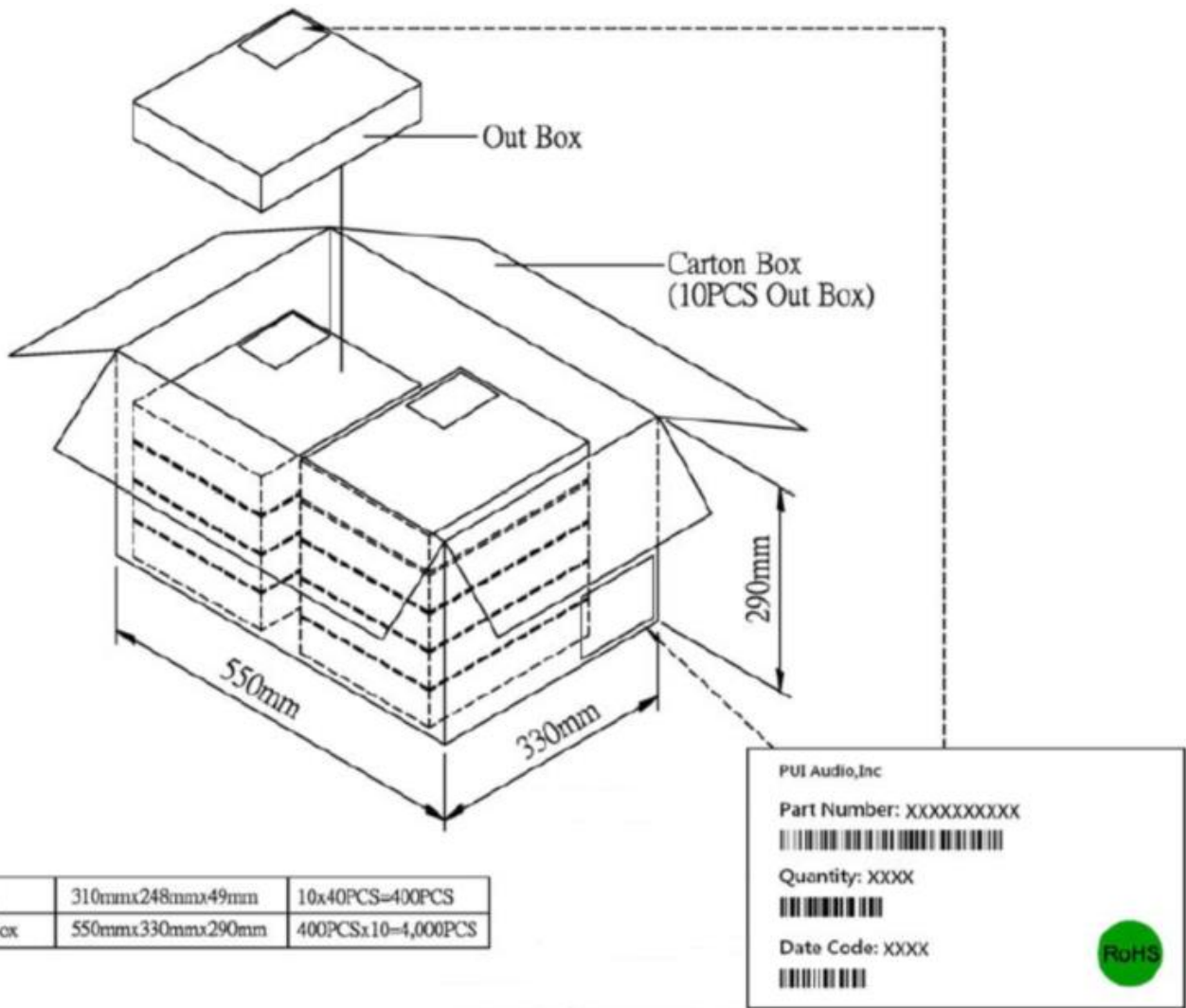
Part shall test within  $\pm 10$ dB SPL.

## Dimensions



## Packaging





Out Box	310mmx248mmx49mm	10x40PCS=400PCS
Carton Box	550mmx330mmx290mm	400PCSx10=4,000PCS



**Specifications Revisions**

Revision	Description	Date	Approved
A	Released from Engineering	07/06/2021	-
B	Update Format Layout	08/09/2024	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.