



# PUI audio



Data Sheet

AT-0927-TT-2-R

## Features:

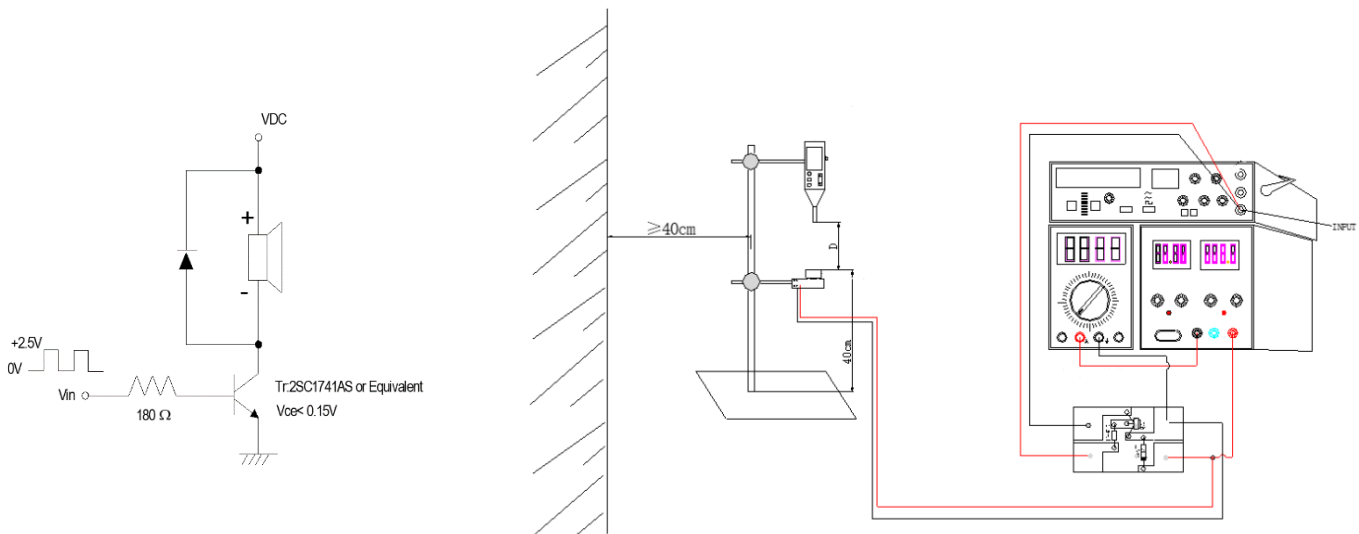
- 3V0-pk, 2730 Hz Magnetic Transducer
- Pin Type
- Wave Solder Allowed, Washing NOT Allowed

## Specifications

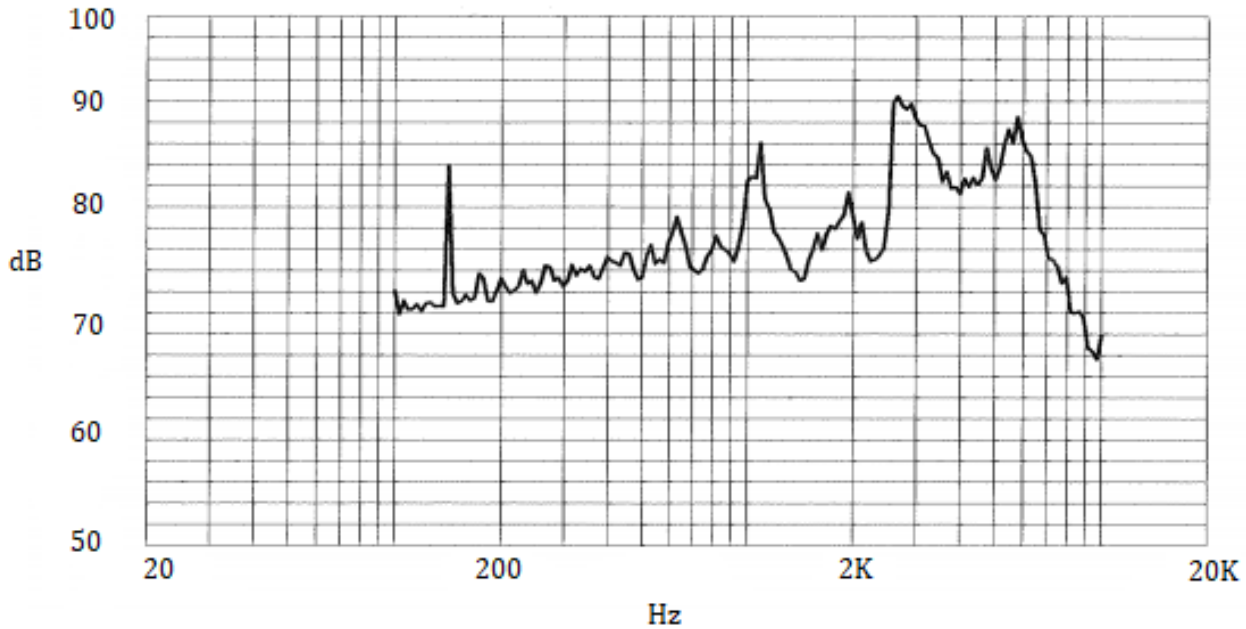
Parameters	Values	Units
Rated Voltage	3	V0-p
Operating Voltage Range	2 ~ 4	V0-p
Current Draw at Rated Voltage	70(Max.)	mA
Coil Resistance	20 ± 3	Ohms
Minimum SPL @ 10cm	86	dBA
Resonant Frequency	2,730 ± 500	Hz
Housing Material	PBT	-
Terminal Material	Au Plated Phosphor Bronze	-
Weight	0.7	Grams
Acceptable Soldering Methods	Hand Solder, Wave Solder	-
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, 3V0-p, 2730Hz square wave)



## Typical Frequency Response

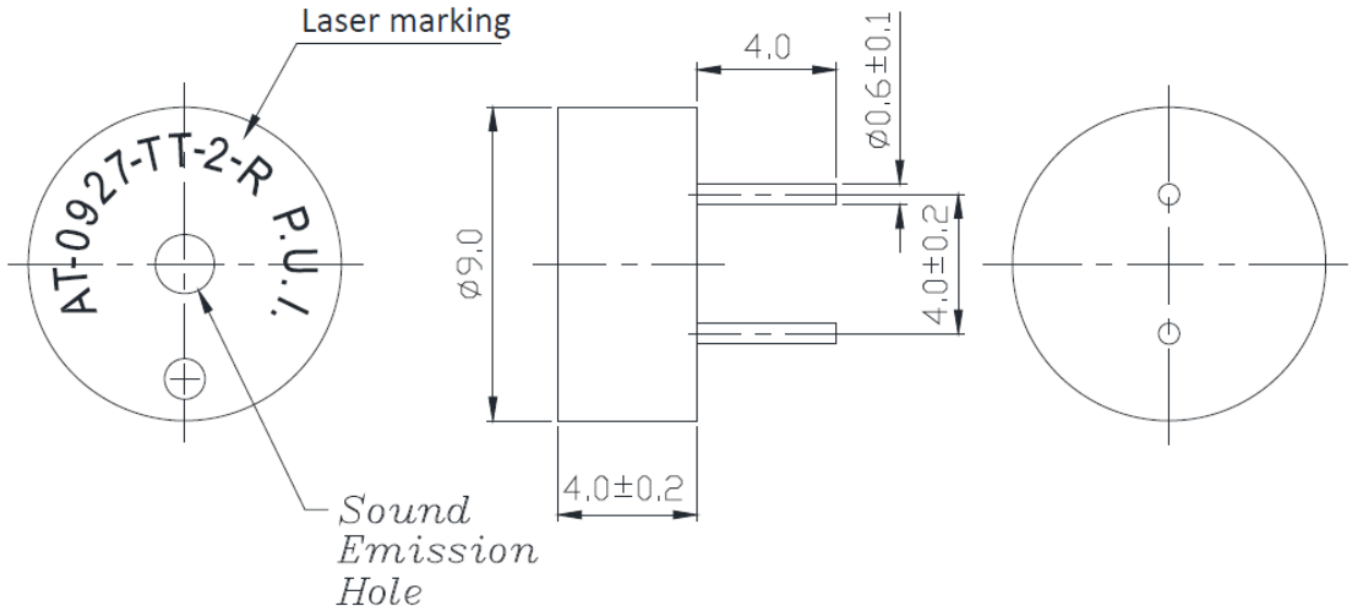


## Reliability Testing

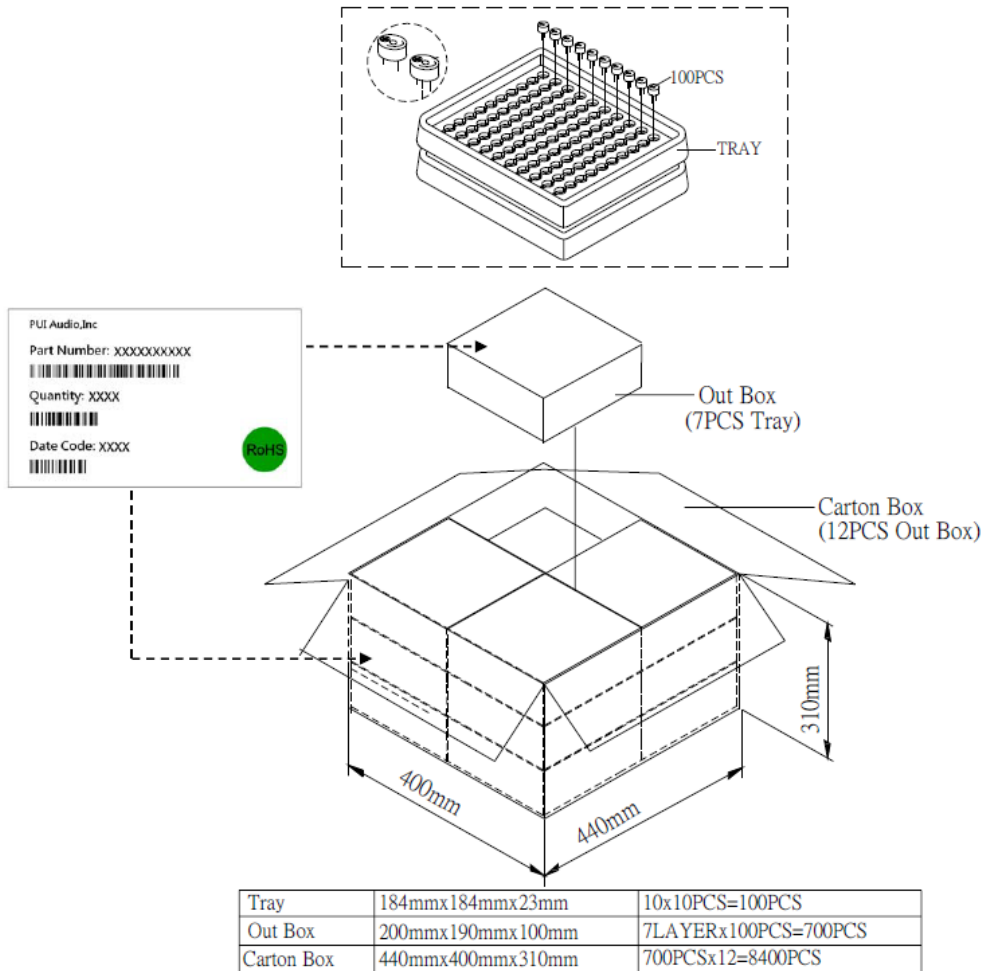
Type of Test	Test Specifications
High Temperature Test	96 hours at +80°C. Rest for 4 hours before retesting.
Low Temperature Test	96 hours at -30°C. Rest for 4 hours before retesting.
Temperature Cycle Testing	<p>10 cycles, 24hrs each</p> <p>                     +80°C                      +25°C                      a, b : 90~98%RH                      c : 80~98%RH                      3hrs, 12±0.5hrs, 3hrs, 24hours                 </p>
Vibration Test	A vibration of 10 ~ 55Hz with an amplitude of 1.5mm shall be applied to each of the 3 directions for 2 hours.
Drop Test	Dropped from a height of 75cm onto a 40mm thick wooden board. It shall be dropped 3 times on each axis (X,Y,Z).

**The appearance and performance should remain the same after testing. SPL may vary within ±10 dBA of the original measurement.**

## Dimensions



## Packaging



**Specification Revisions**

<b>Revision</b>	<b>Description</b>	<b>Date</b>	<b>Approved</b>
-	RELEASED FROM ENGINEERING	08/05/2005	-
A	REVISED TO INVENTOR 3D DRAWING TEMPLATE	04/01/2008	BR
B	Update Spec Format, Add Details for Reliability, Packaging, etc. Revised Power Type from Vpp to Vpk	09/20/2024	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.