



Data Sheet AI-1027-TWT-5V-R

#### Features:

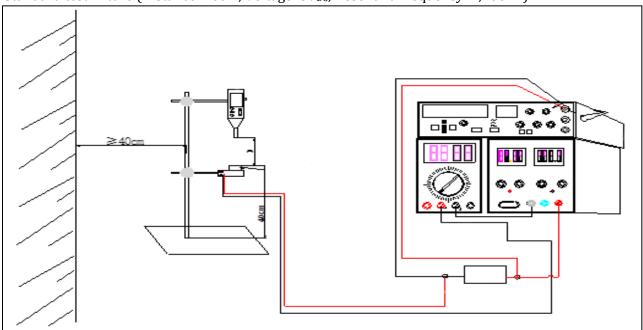
- Top-firing, thru-hole magnetic indicator
- 5 V<sub>DC</sub>, 2700 Hz resonant frequency
- Wave solder and wash allowed

## **Specifications**

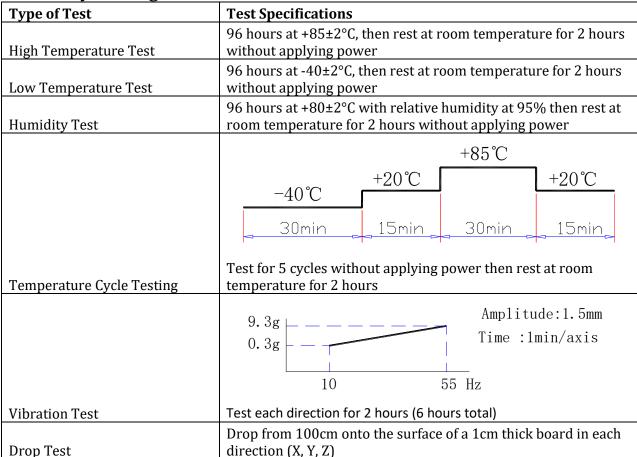
Parameters	Values	Units
Rated Voltage	5	$V_{ m DC}$
Operating Voltage Range	3 ~ 7	$V_{ ext{DC}}$
Current Draw at Rated Voltage	30	mA
Minimum SPL @ 10cm	80	dBA
Resonant Frequency	2,700±200	Hz
Tone or Pulse Rate	Continuous	-
Housing Material	PBT	-
Terminal Material	Sn Plated Brass (DSn)	-
Weight	1	Grams
Acceptable Soldering Methods	Hand Solder, Wave Solder	-
Environmental Compliances	RoHS	-
Storage Temperature	-40 ~ +85	°C
Operating Temperature	-30 ~ +70	°C

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

Standard test fixture (Distance: 10cm; Voltage: 5V<sub>DC</sub>; Resonant Frequency: 2,700Hz)

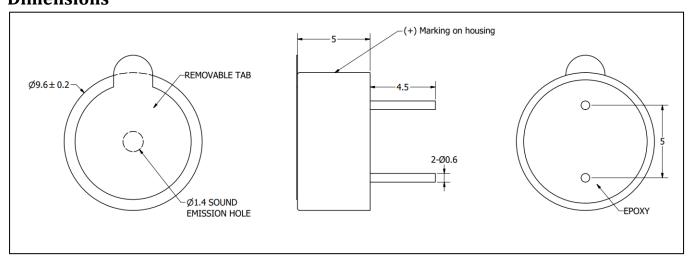


**Reliability Testing** 

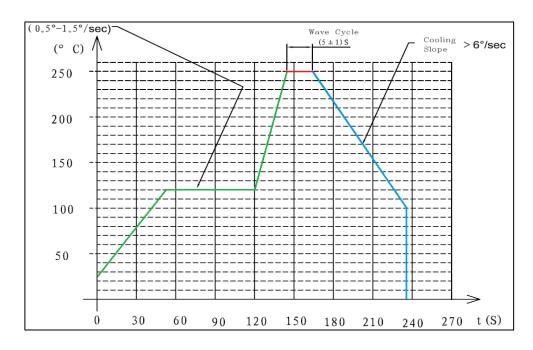


All parts shall meet specifications after testing. SPL shall be within ± 5dB.

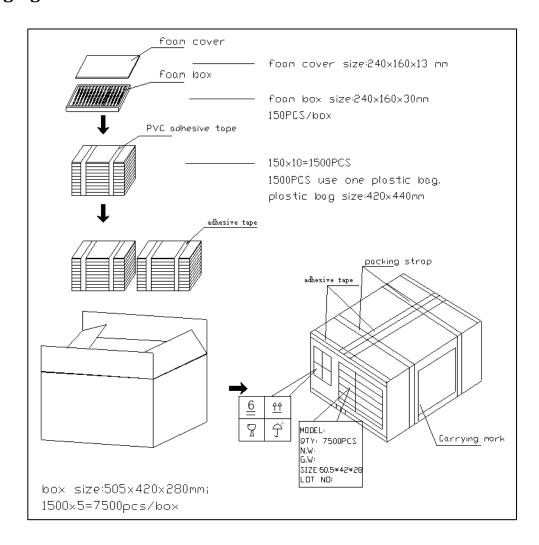
### **Dimensions**



### **Recommended Wave Solder Profile**



# **Packaging**



This document contains data proprietary to PUI Audio Inc. Any use or reproduction, in any form, without prior written permission of PUI Audio Inc. is prohibited.

© 2024, PUI Audio Inc.

**Specifications Revisions** 

Revision	Description	Date	Approved
-	RELEASED FROM ENGINEERING	04/29/2005	-
A	REVISED DIMENSION SIZE AND STYLE	11/28/2005	BR
В	ADDED POSITIVE TERMINAL LOCATION	11/03/2006	BR
С	REVISED PART NUMBER ON LABEL	01/23/2007	DF
D	REMOVED PRODUCT LABELING	08/07/2008	BR
Е	REVISED TO INVENTOR 3D DRAWING TEMPLATE	10/11/2008	BR
F	REMOVED POLARITY MARKING FROM WASH TAB, UPDATED HOUSING MATERIAL TO PBT	10/21/2015	BR
G	REVISED OPERATING TEMPERATURE	02/14/2020	ML
Н	Update Spec Format, Add details for packaging, reliability, etc.	06/18/2024	ML

#### 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.