



# PUIaudio



Data Sheet

AI-4328-P-C28-R

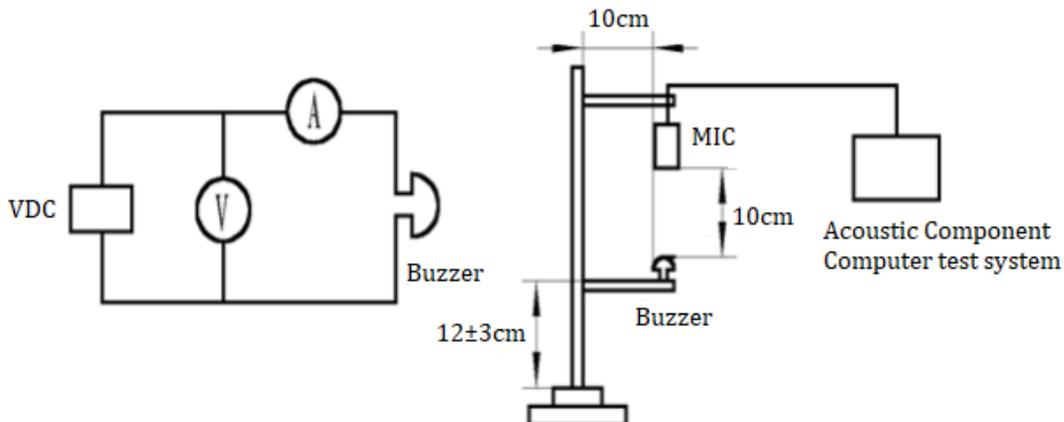
## Features:

- 42.5mm diameter X 33mm height
- Minimum 91dB output at 10cm
- Weighs 2.5 grams

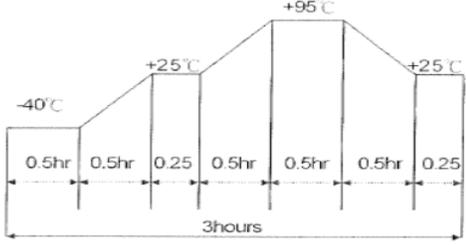
## Specifications

Parameters	Values	Units
Rated Voltage	12	Vac/dc
Operating Voltage Range	4 ~ 28	Vac/dc
Current Draw at Rated Voltage	7 Max.	mA
Minimum SPL @ 10cm	91	dB(A)
Resonant Frequency	2,800 ± 500	Hz
Tone or Pulse Rate	Continuous	0 pulse per second
Housing Material	ABS UL-94 HB	-
Terminal Material	Sn plated Bronze	-
Weight	33.8	Grams
Environmental Compliances	RoHS/REACH	Ex. 7c-1
Storage Temperature	-40 ~ +95	°C
Operating Temperature	-30 ~ +85	°C

## Measurement Method (12VDC/SPL meter spaced at 10cm)

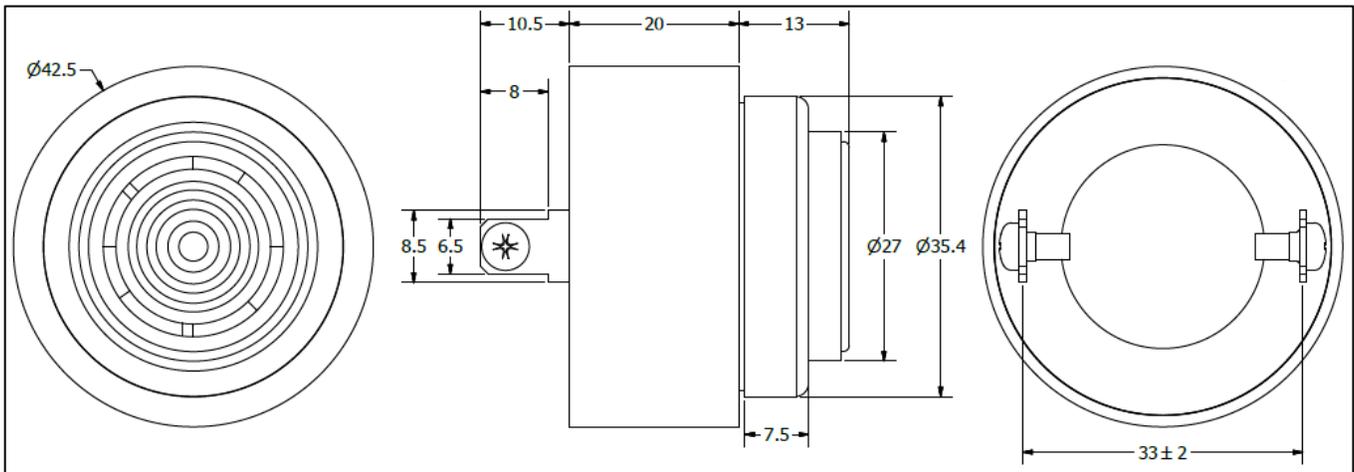


## Reliability Testing

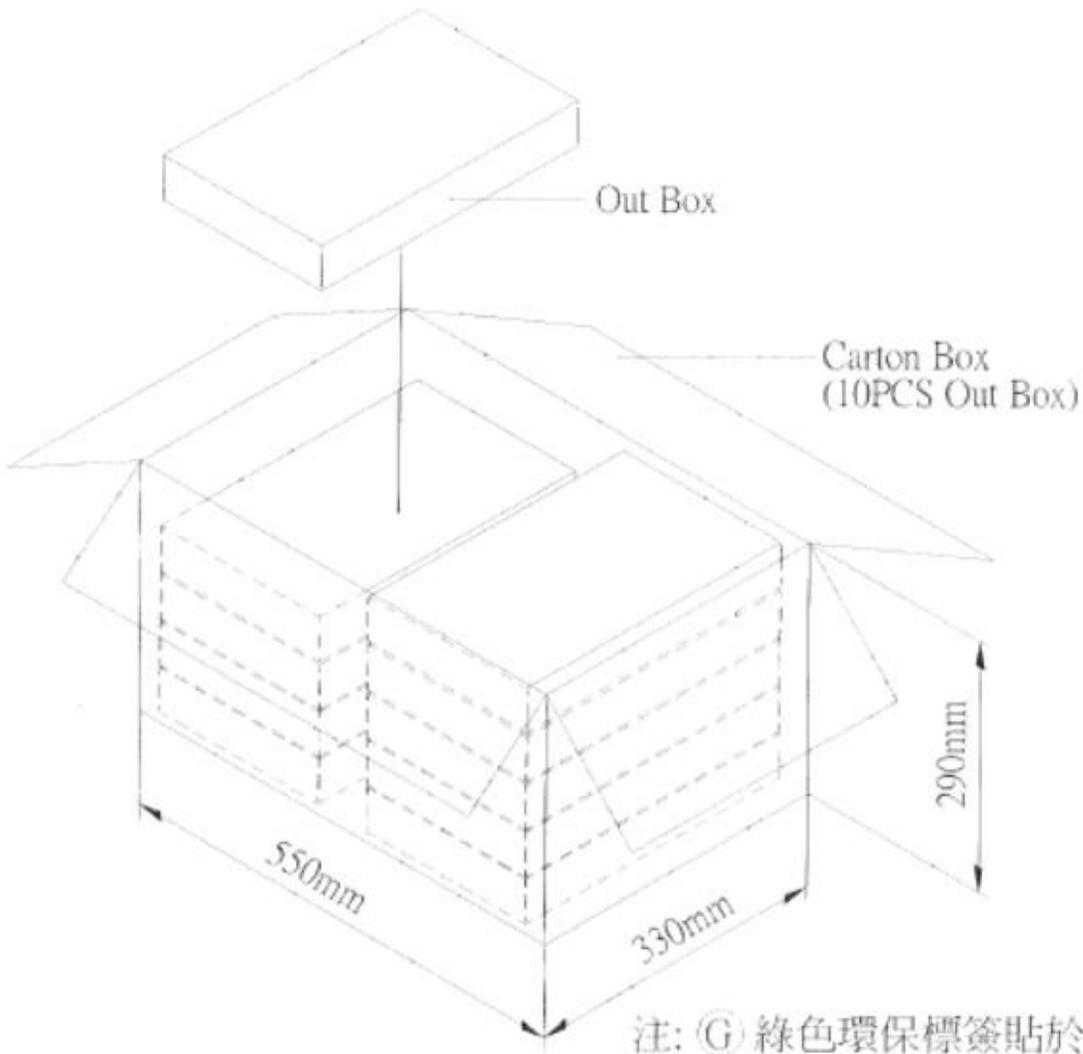
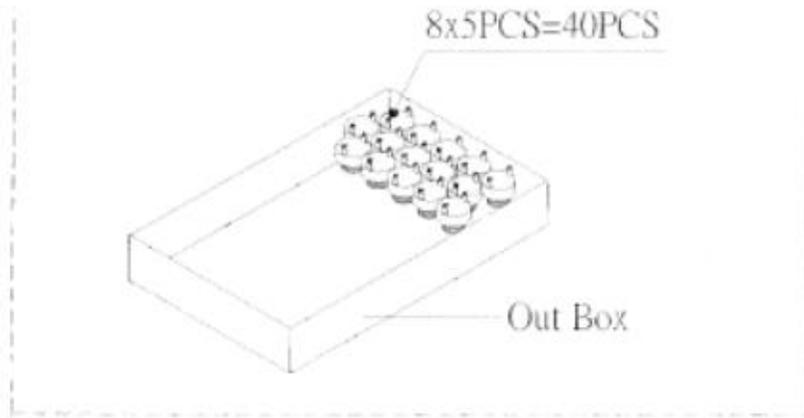
NO	ITEM	TESTING CONDITION	VARIANCE AFTER TEST
1	Humidity	40±2°C, 90%RH, 240HRS	After the test part shall meet specifications without any degradation in appearance and performance. The oscillating frequency/current consumption should be within ±10%. The SPL should be in ±10db.
2	High temp.	+95±2°C, 240HRS	
3	Low temp.	-40±2°C, 240HRS	
4	Temperature cycling	 <p>5 cycles</p>	
5	Drop test	3 times each in x,y,z axis (total 9 times) from height of 75cm onto the surface of 40mm thick wooden board.	
6	Vibration test	Make the test for the directions of X Y and Z (total 0.5 hours). To-and-fro sweep time (from 10 to 55 Hz and then 55 to 10) under single amplitude of 1.5mm is 1 minute/axis.	
7	Solder heat resistance	The part leads (pins) shall be immersed up to 1.5mm in molten solder maintained at 300±5°C for a period of 3±0.5seconds or 260±5°C for a period of 10±0.5seconds .	
8	Solderability	Lead terminals are immersed in rosin for 5 minutes and then immersed in solder bath of 270±5°C for 3±0.5seconds.	

9	Terminal Mechanical Strength	The force of 9.8N(1.0Kg) is applied to each terminal in axial direction for 10 seconds	No damage
10	Operating Life cycle	<ol style="list-style-type: none"> <li>1. Continuous life test: 250 hours continuous operation at 85°C at rated voltage</li> <li>2. Intermittent Life test: A duty cycle of 1 minute on and 5 minutes off. A minimum of 10,000 times at room temperature (+25C) and rated voltage applied</li> </ol>	The oscillating frequency/current consumption should be within $\pm 10\%$ . The SPL should be in $\pm 10\text{db}$ .

## Dimensions



## Packaging



Out Box	310mmx248mmx49mm	1x40PCS=40PCS
Carton Box	550mmx330mmx290mm	40PCSx10=400PCS

**Specifications Revisions**

<b>Revision</b>	<b>Description</b>	<b>Date</b>
-	RELEASED FROM ENGINEERING	06/07/2006
A	REVISED TO INVETOR 3-D DRAWING TEMPLATE	03/10/2008
B	REVISED WEIGHT	02/24/2020

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.