



PUI audio



Data Sheet

AI-2335-TT

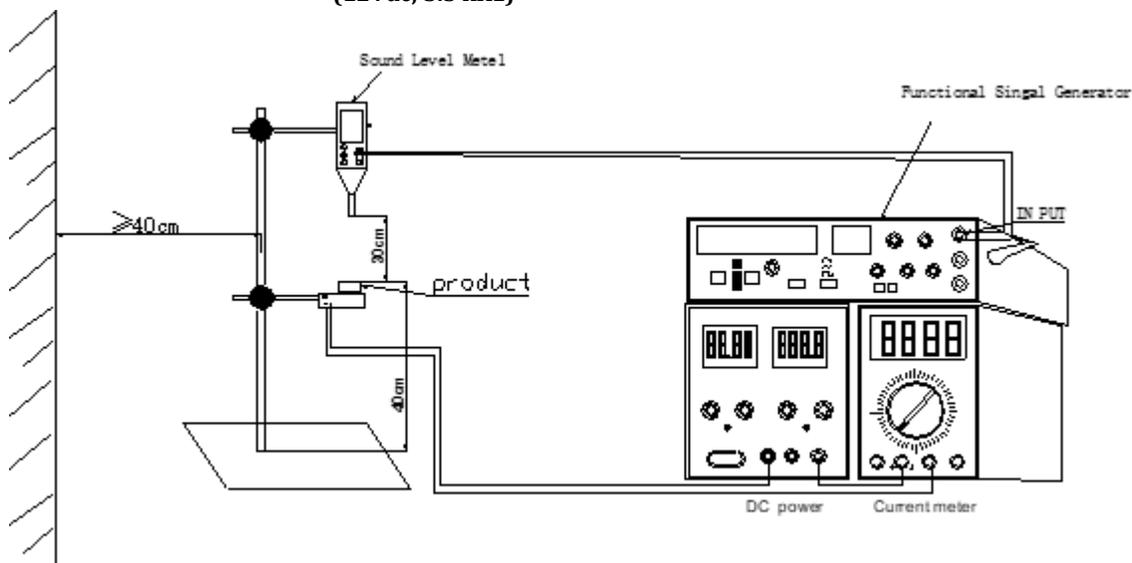
Features:

- 12Vdc rated voltage
- 3.5kHz resonant frequency
- High 100dB minimum SPL at 10cm

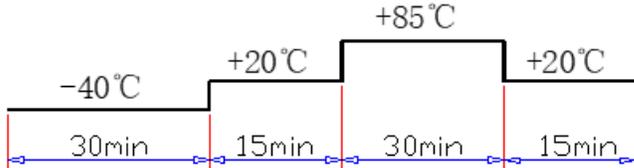
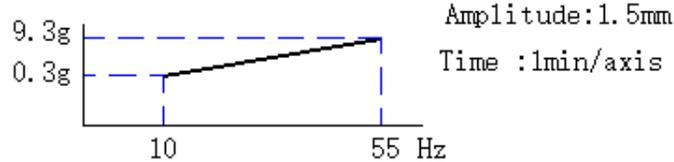
Specifications

Parameters	Values	Units
Rated Voltage	12	VDC
Operating Voltage Range	3 ~ 28	VDC
Current Draw at Rated Voltage	15	mA
Minimum SPL @ 10cm	100	dBA
Resonant Frequency	3,500 ± 500	Hz
Tone or Pulse Rate	Continuous	-
Housing Material	PBT (Black)	-
Terminal Material	Red Copper	-
Weight	4.2	Grams
Environmental Compliances	RoHS/REACH	Ex. 7c-1 for piezo type
Storage Temperature	-40 ~ 85	°C
Operating Temperature	-30 ~ 70	°C

Measurement Method (12Vdc; 3.5 kHz)

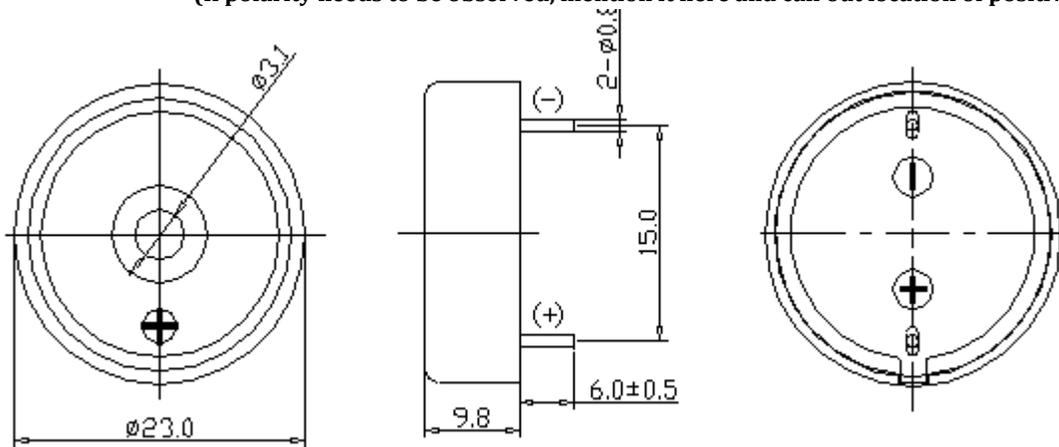


Reliability Testing

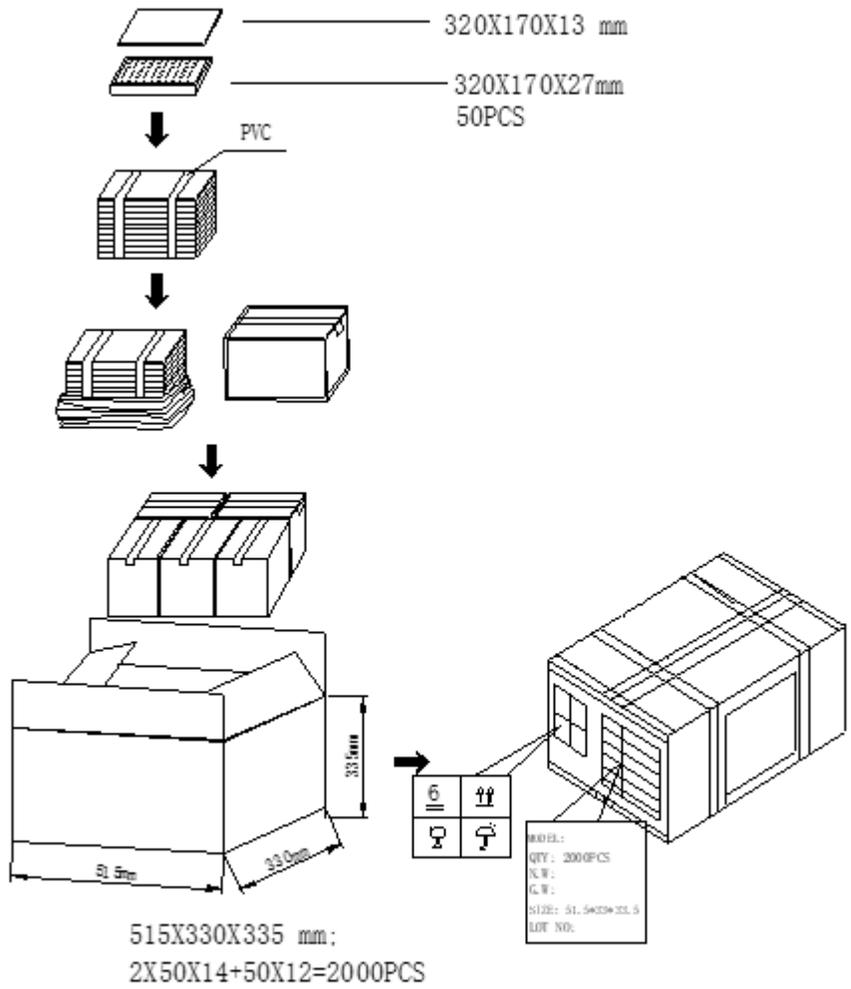
Type of Test	Test Specifications
High Temperature Test	96 hours at 85°C
Low Temperature Test	96 hours at -40°C
Humidity Test	96 hours at 40°C with relative humidity at 90~95%
Temperature Cycle Testing	Run for 5 cycles, with each cycle consisting of: 
Vibration Test	 Run for 2 hours in each of the X, Y, and Z direction (6 hours total)
Drop Test	Free drop from a height of 70cm to the surface of a 10mm thick board, in each of the X, Y, and Z directions

After each test, let the part rest for 2 hours, then the change in SPL shall be within $\pm 5\text{dB}$

Dimensions (If polarity needs to be observed, mention it here and call out location of positive pin/pad)



Packaging



Specifications Revisions

Revision	Description	Date	Approved
A	Released from Engineering	5/23/2025	JD

Note:

- Unless otherwise specified:
 - All dimensions are in millimeters.
 - Default tolerances are $\pm 0.5\text{mm}$ and angles are $\pm 3^\circ$.
- Specifications subject to change or withdrawal without notice.