



PUI audio



Data Sheet

AI-4228-P-C120-R

Features:

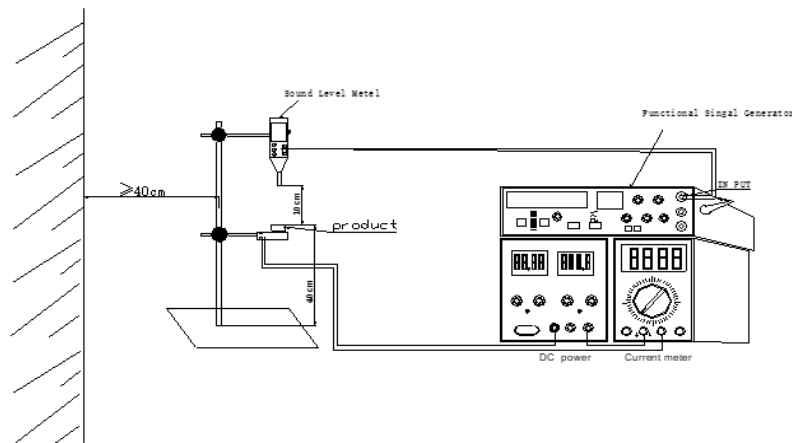
- **CAUS**
- Piezo Indicator
- 110VAC/DC rated, 2800Hz
- Top-Firing Panel Type

Specifications

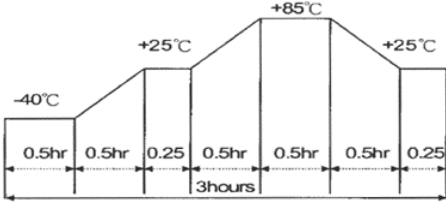
Parameters	Values	Units
Rated Voltage	110	VAC/DC
Operating Voltage Range	30 ~ 120	VAC/DC
Current Draw at Rated Voltage	20 max.	mA
Current Draw Range	5 ~ 25 max.	mA
Minimum SPL @ 10cm(60cm)	91.5(76)	dBA
Resonant Frequency	2,800 ± 500	Hz
Tone or Pulse Rate	Continuous	-
Housing Material	Nylon	-
Terminal Material	Sn Plated Bronze	-
Weight	41	Grams
Acceptable Soldering Methods	Hand Solder	-
Environmental Compliances	RoHS/REACH	Ex. 7c-1
Storage Temperature	-40 ~ +85	°C
Operating Temperature	-30 ~ +85	°C

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

Standard Test Fixture (Distance: 10cm, 110VDC)

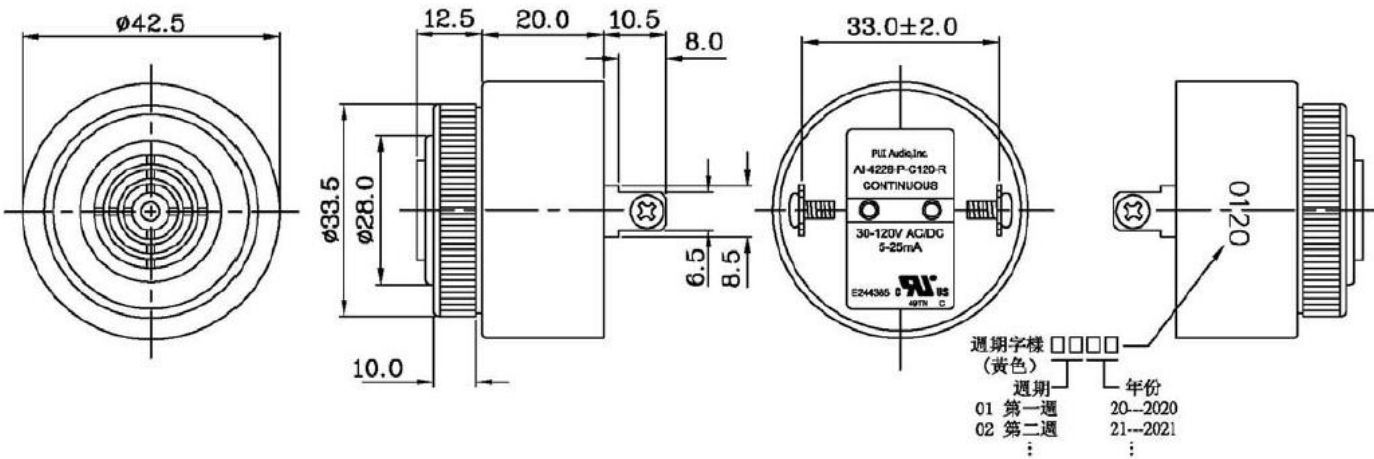


Reliability Testing

Type of Test	Test Specifications
High Temperature Test	Test chamber for 240 hours at +85°C, then rest at room temperature for 4 hours.
Low Temperature Test	Test chamber for 240 hours at -40°C, then rested at room temperature for 4 hours.
Humidity Test	Test chamber for 240 hours at +40°C with relative humidity at 90±5%, then rested at room temperature for 4 hours.
Temperature Cycle Testing	<div></div> <p>Test repeated 5 times, then rest at room temperature for 4 hours.</p>
Vibration Test	1.5mm amplitude vibration with 10~55Hz band of vibration frequency for 2 hours. Repeat test in X, Y, Z directions (total 6 hours).
Drop Test	Free drop a unit from the height 75cm to the surface of 40mm thick board, three times. Repeat test in X, Y, Z directions (total 9 times).
Life Test	Apply rated voltage for 250 hours continuously at +85°C. Apply intermittent 1minute on / 5 minutes off 10,000 times at room temperature of 25C.

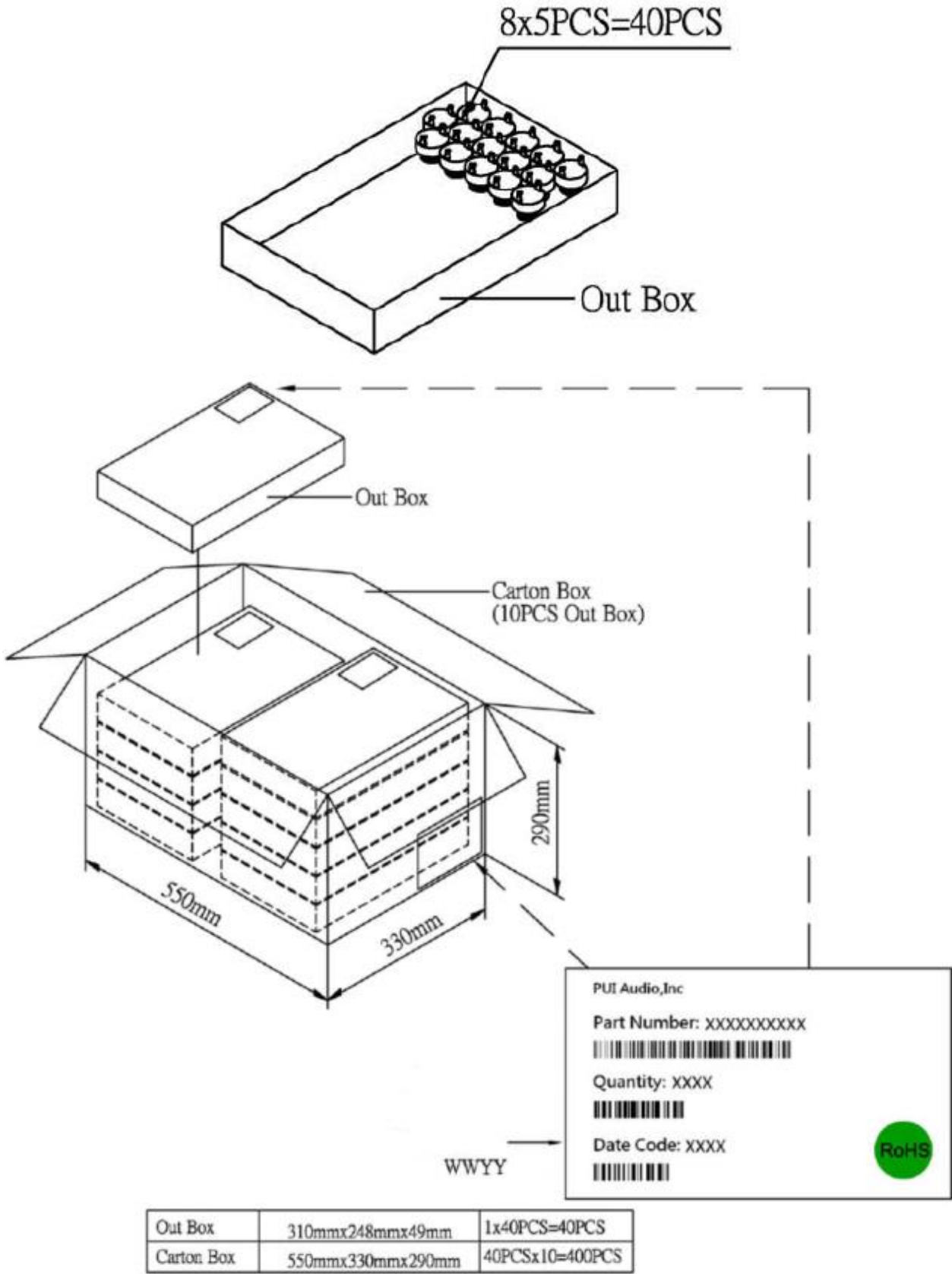
After Tests, part shall be within ±10dB of stated value.

Dimensions



Tol: ± 0.5 Unit: mm

Packaging



Specifications Revisions			
Revision	Description	Date	Approved
-	RELEASED FROM ENGINEERING	06/21/2006	-
A	REVISED TO INVENTOR 3D DRAWING TEMPLATE	02/26/2008	BR
B	Update Spec Format, Add details for Reliability, Packaging, etc. Add Current Draw Range, Revised SPL value	01/23/2025	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.