



PUIaudio



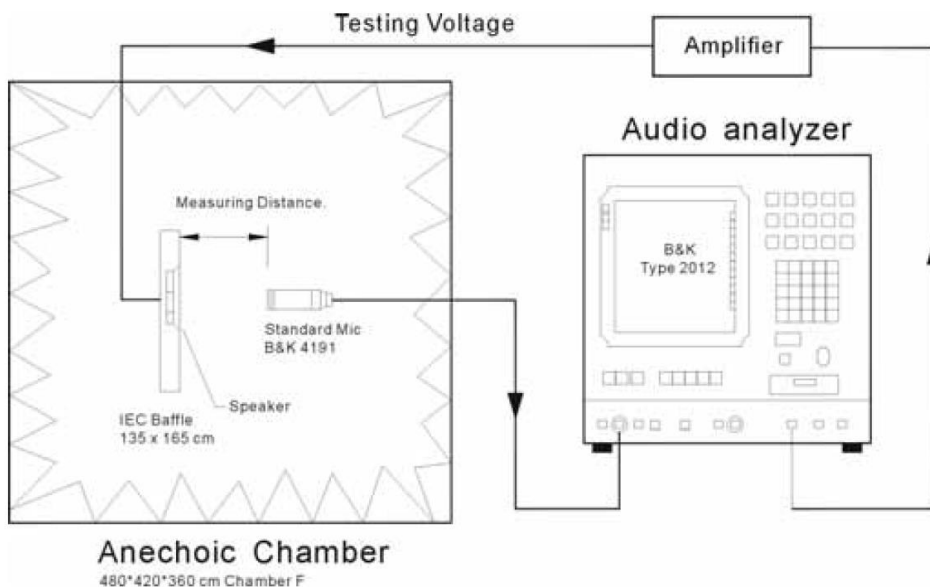
Data Sheet

AS04008PO-4-R

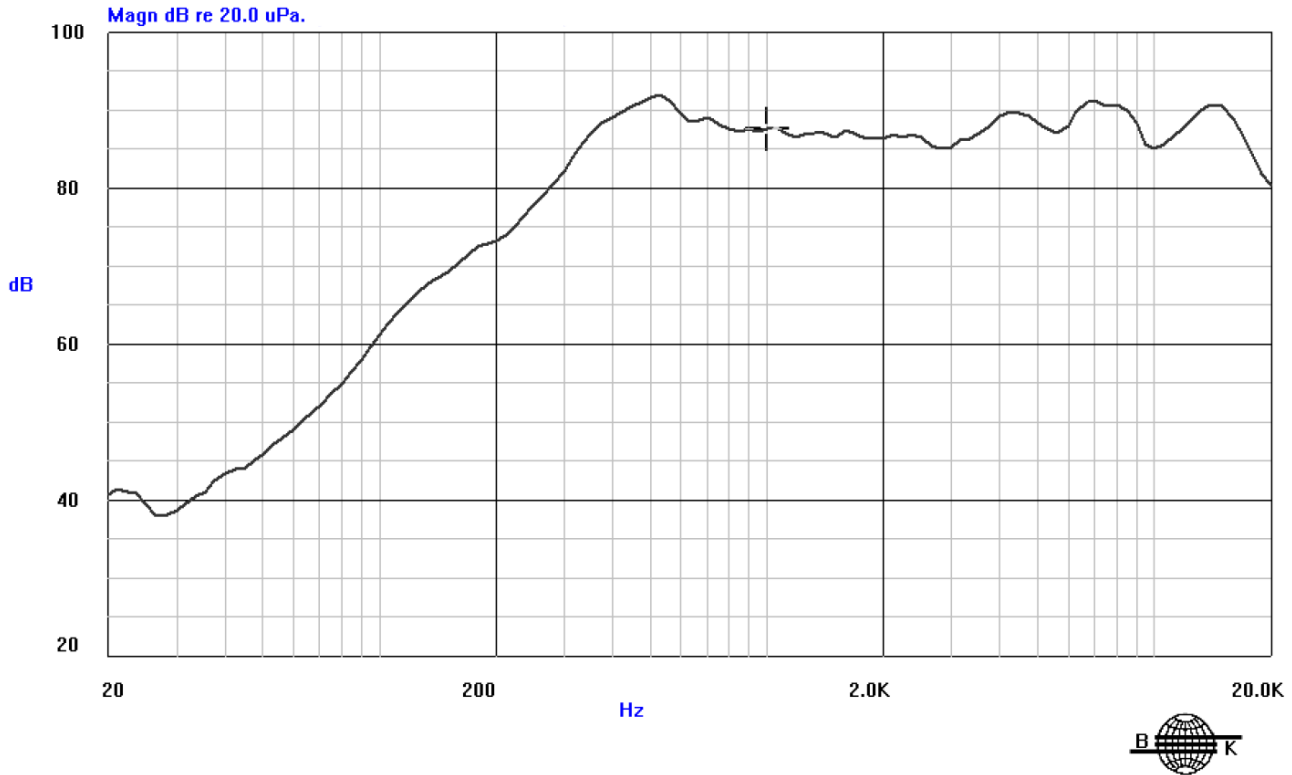
Specifications

Parameters	Values	Units
Rated Input Power	2.0	Watts
Max Input Power	4.0	Watts
Impedance	8 ± 15%	Ohms
Output SPL (<i>Avg 0.8k 1.0k 1.2k, 1.5k Hz @ 1.0W/0.5m</i>)	86 ± 3	dB
Resonant Frequency	370 ± 20%	Hz
Frequency Range	200 ~ 20,000	Hz
THD	≤10%	%
Frame Material	ABS	-
Magnet Material	NdFeB	-
Diaphragm Material	PAPER	-
Weight	17	Grams
Buzz, Rattle, etc.	must be normal at 4.0Vrms sine wave	-
Environmental Compliances	ROHS/REACH	-
Polarity	Cone moves forward with positive dc current applied to "+" terminal	-
Storage Temperature	-40 ~ 80	°C
Operating Temperature	-40 ~ 80	°C

Measurement Method (1W, 50cm)



Typical Frequency Response

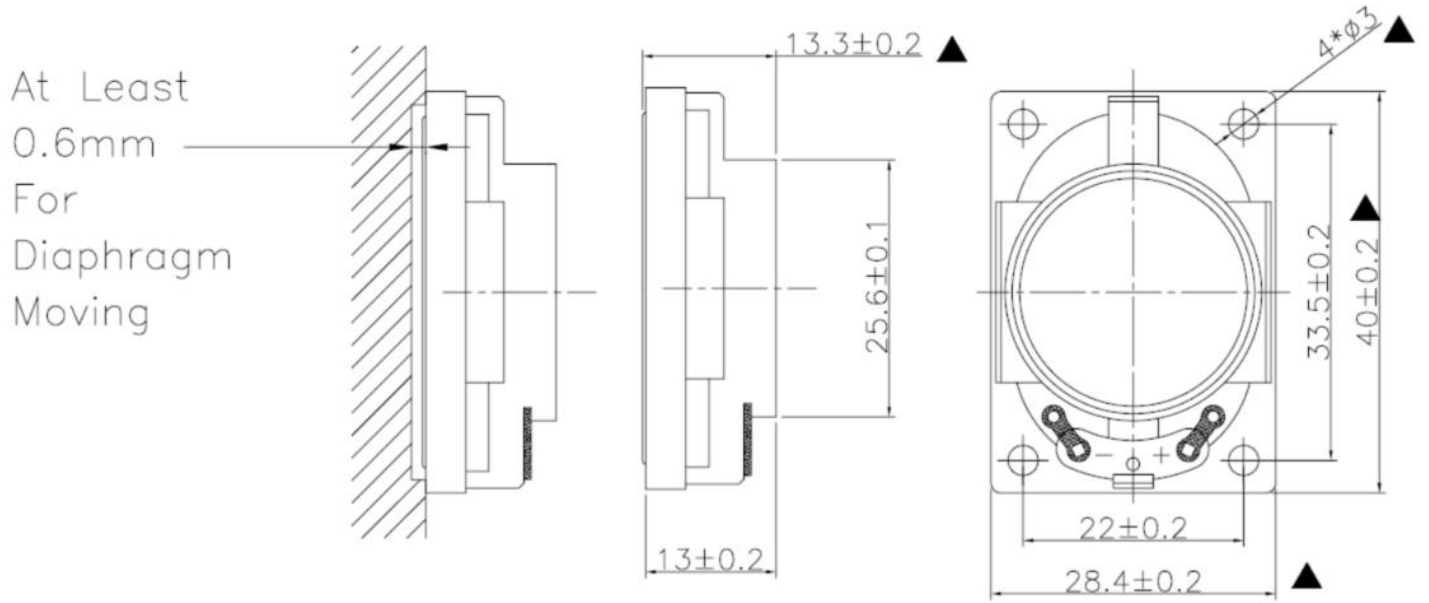


Reliability Testing

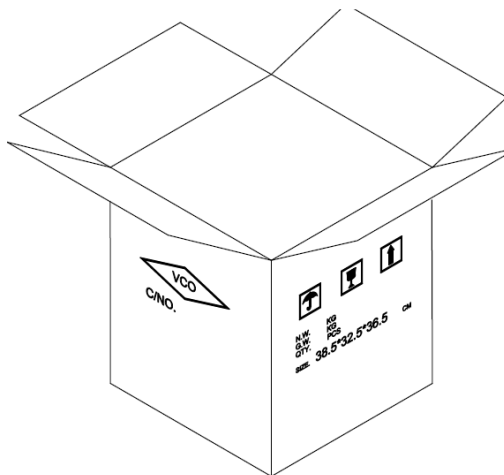
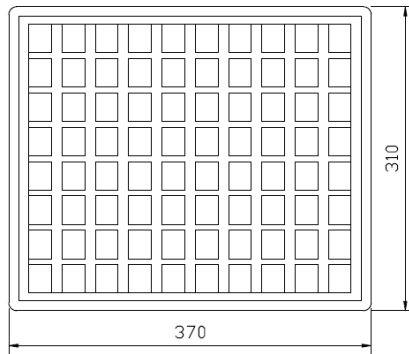
Type of Test	Test Specifications
High Temperature Test	96 hours at $60\pm 3^{\circ}\text{C}$
Low Temperature Test	96 hours at $-25\pm 3^{\circ}\text{C}$
Humidity Test	96 hours at $40\pm 3^{\circ}\text{C}$ with relative humidity at 90~95%
Temperature Cycle Testing	<p>$-25 \sim 60^{\circ}\text{C}$, 4 cycles temperature test.</p> <p>Start → Room Temperature $+25^{\circ}\text{C}$ → $+60^{\circ}\text{C}$ (1 Hour) → -25°C (1 hour) → TO Start</p> <p>Total 4 Cycles</p>
Vibration Test	Frequency: $30 \pm 15\text{Hz}$, amplitude 1.5mm for 3 hours
Drop Test	Drop the speaker from 75cm onto concrete floor, 10 times.
Load Test	Must perform normal with program White-Noise source at Rated Power for 96 Hours

After each test let rest for 6 hours in standard room temperature, the part shall be within $\pm 4\text{dB}$.

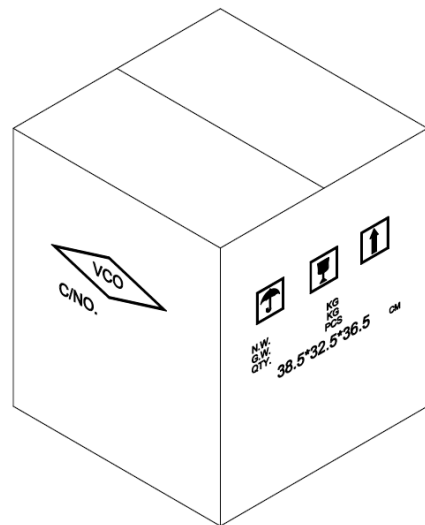
Dimensions



Packaging



NOTE:
 80 PCS per Layer
 Total 7 Layers per box
 Total 560 PCS per box
 PS盤規格: 370*310*56
 紙箱規格: 385*325*365



Specifications Revisions

Revision	Description	Date
-	Released from Engineering	07/22/2020
A	Revised Resonant Frequency, Weight, and Dimensions	07/26/2023

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.