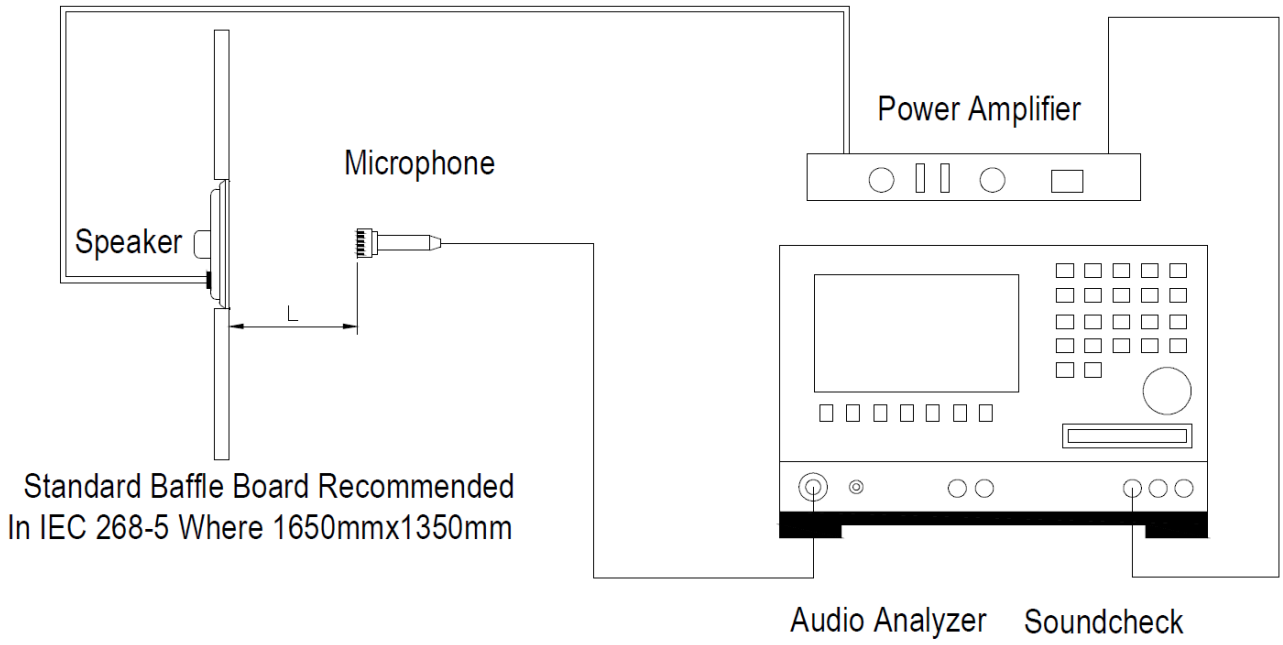
PUIaudio

Data Sheet	AS05008PR-6-R

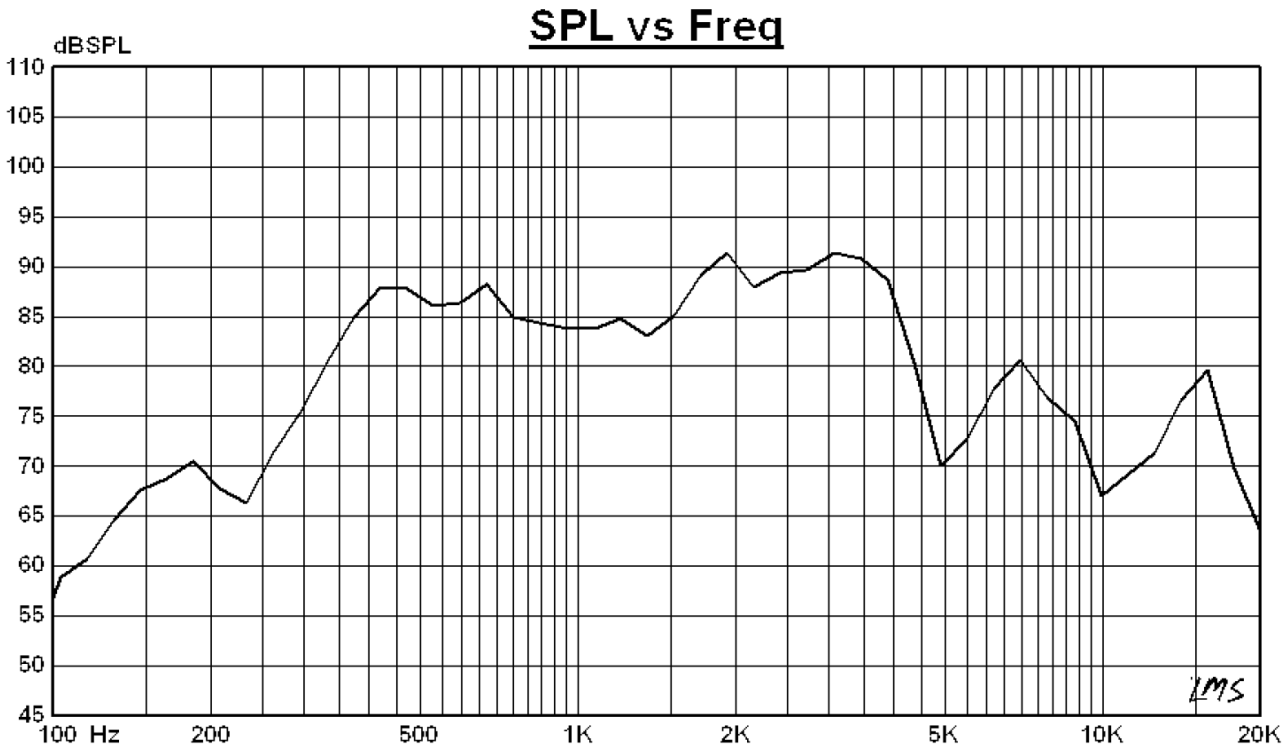
Specifications

Parameters	Values	Units
Rated Input Power	0.4	Watts
Max Input Power	0.7	Watts
Impedance	8 ± 15%	Ohms
Output SPL *(Avg. 0.6k, 0.8k, 1.0k, 1.20kHz @ 1.0W/1m)*	85.0 ± 3	dB
Resonant Frequency (f_0)	500 ± 20%	Hz
Frequency Range (-10dBSPL)	f_0 ~ 5,000	Hz
THD *(1kHz, 0.4W Drive)*	≤5	%
Diaphragm Material	Paper	-
Frame Material	Metal	-
Magnet Material	NdFeB (N35)	-
Weight	29.1	Grams
Buzz, Rattle, etc.	Must not be audible with f_0 – 5kHz, 0.4W sine wave	-
Environmental Compliances	ROHS/REACH	-
Polarity	Cone moves forward with positive dc current applied to "+" terminal	-
Storage Temperature	-30 ~ +60	°C
Operating Temperature	-20 ~ +60	°C

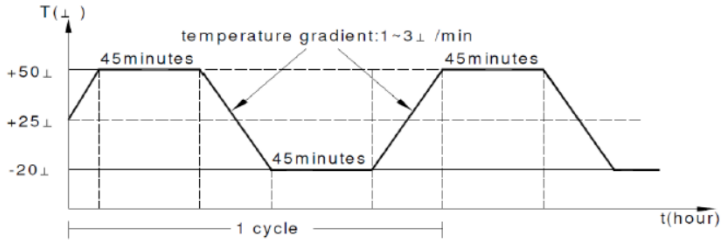
Measurement Method (Measured with 1.0W, L = 1m, Temperature: 23 ~ 25°C, Relative Humidity: 55% (max).)



Typical Frequency Response (Measured with 1.0W drive, distance = 1m)

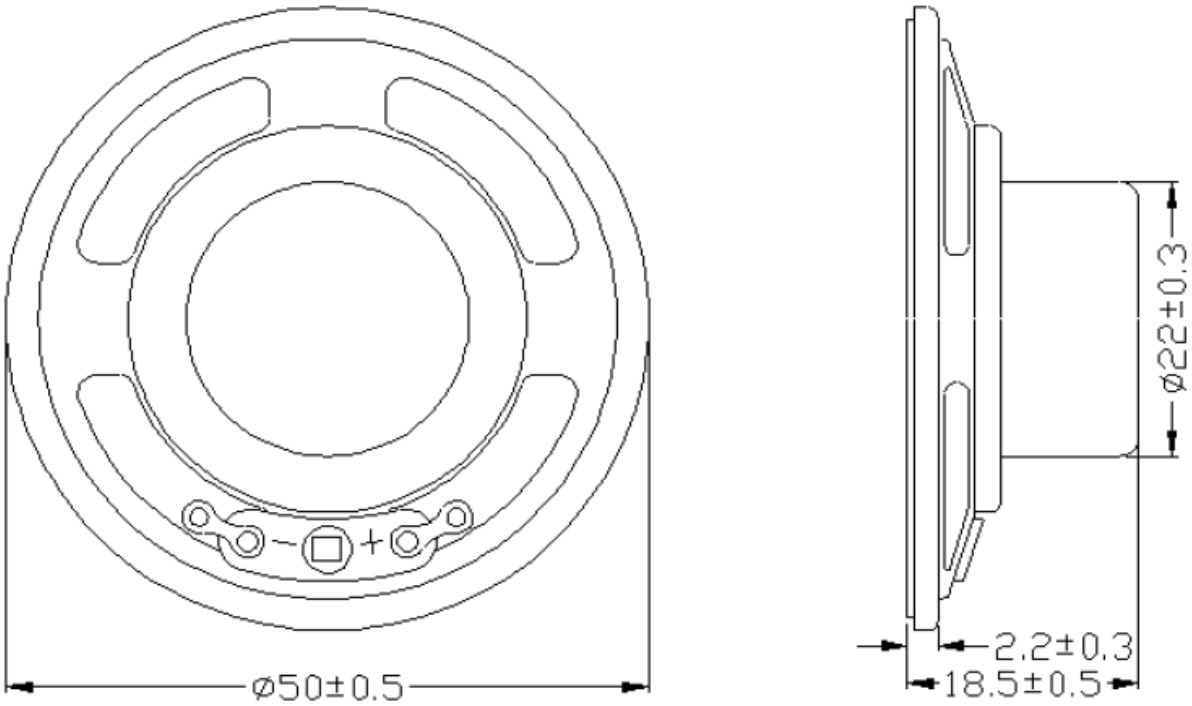


Reliability Testing

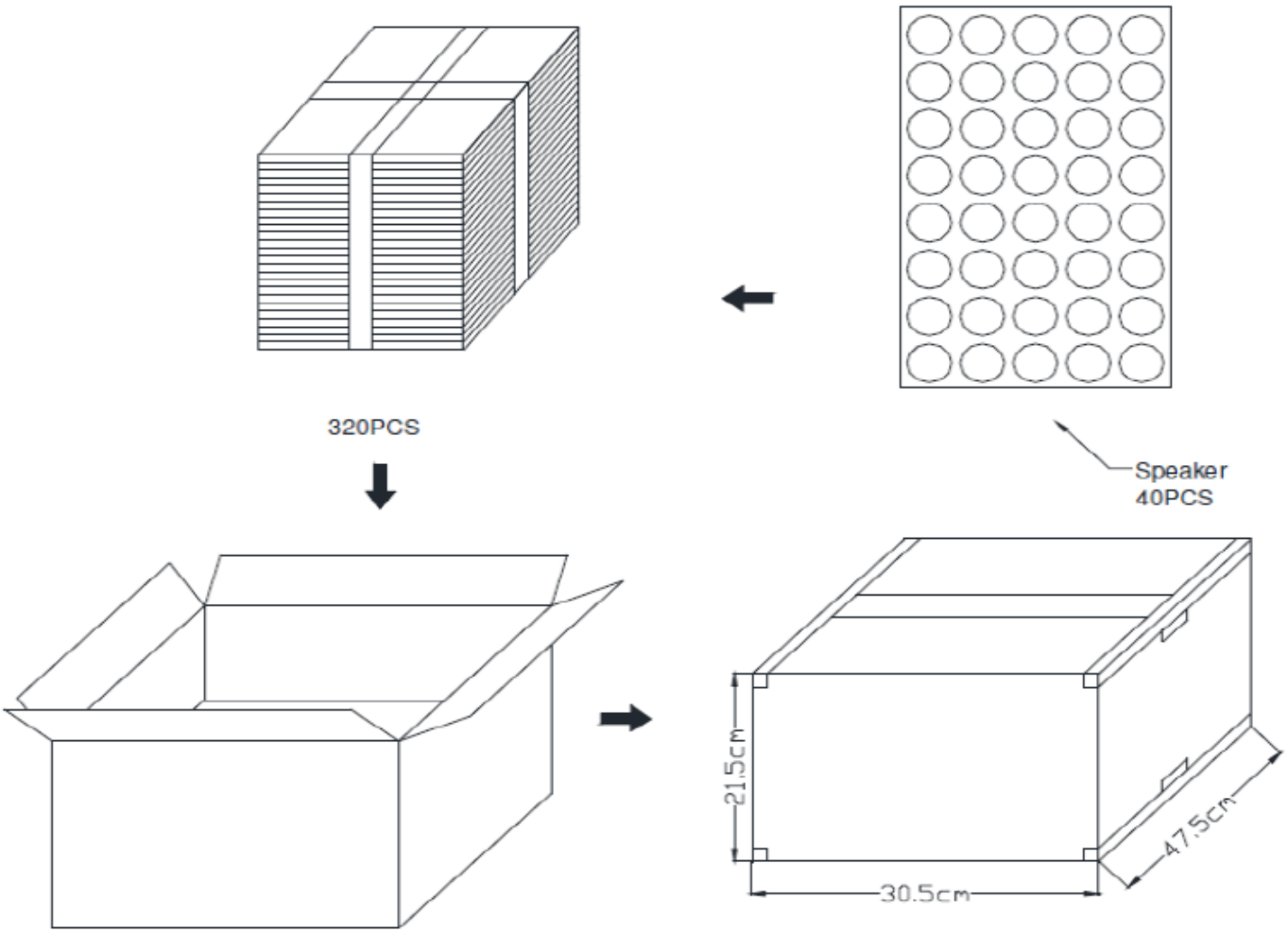
Type of Test	Test Specifications
High Temperature Test	96 hours at 60±3°C
Low Temperature Test	96 hours at -20±3°C
Humidity Test	96 hours at 60±3°C with relative humidity at 90~95%
Temperature Cycle Testing	Run for 5 cycles with each cycle consisting of: 
Vibration Test	Frequency: 10~55~10Hz Oct/min Amplitude: 1.5mm Duration: 2 hours each of 3 perpendicular directions
Drop Test	Drop the speaker contained in normal box onto the surface of 5mm thick board 2 times from the height of 100cm.
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 ±3dB.

Dimensions (Tolerance: ±0.5mm, unless otherwise specified.)



Packaging



Specifications Revisions

Revision	Description	Date
-	Released from Engineering	07/05/2006
A	Revised to Inventor 3D template	01/12/2009
B	Revised Operating Temperature	08/01/2023

Note:

1. Unless otherwise specified:
   A. All dimensions are in millimeters.
   B. Default tolerances are ±0.5mm and angles are ±3°.
2. Specifications subject to change or withdrawal without notice.