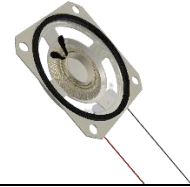




PUI audio



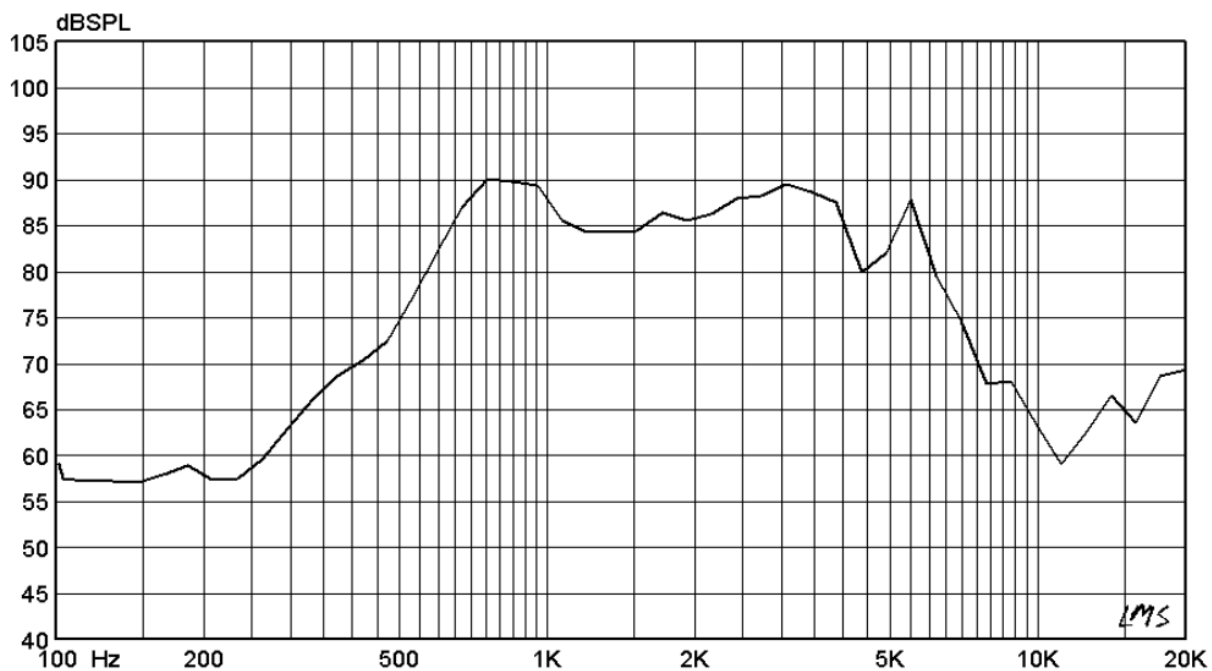
Data Sheet

AS05008MS-LW152-R

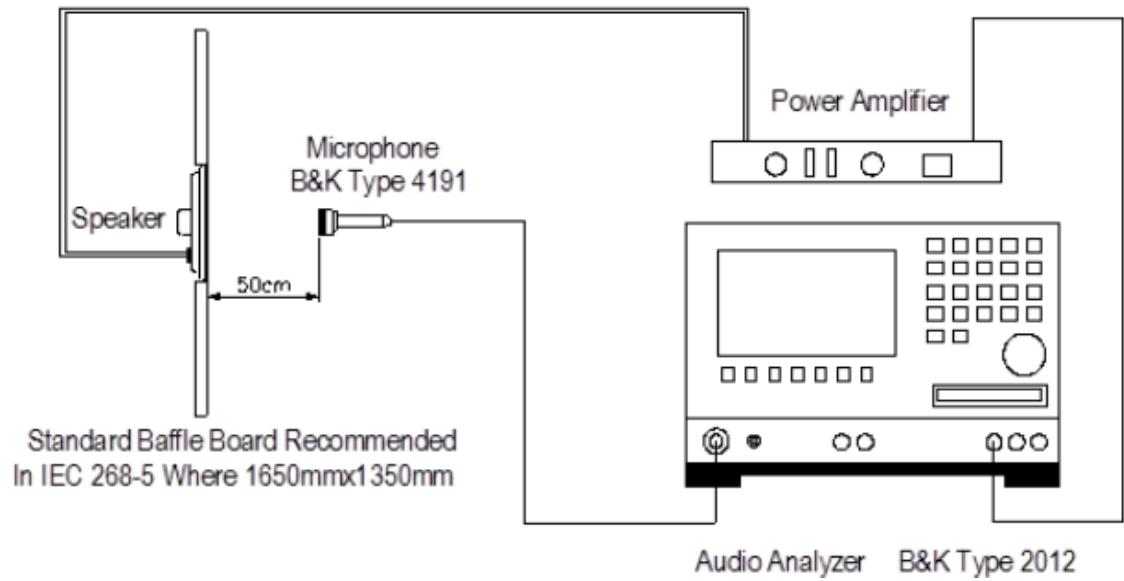
Specifications

Parameters	Values	Units
Typical Rated Input Power	1.5	Watts
Maximum Input Power	3	Watts
Typical Impedance	$8 \pm 15\%$	Ohms
Typical Output SPL Avg. 1kHz, 1.2kHz, 1.5kHz, 2kHz $P_{DRIVE} = 1W$ Distance = 1m	85 ± 3	dB
Typical Resonant Frequency	$800 \pm 20\%$	Hz
Typical Frequency Range	$f_0 \leq f \leq 6.5kHz$	Hz
Maximum THD $f = 1000Hz$ $P_{DRIVE} = 1.0W$	5	%
Buzz, Rattle, etc.	Not audible with $V_{DRIVE} = 3.46V_{RMS}$, sinewave	-
Frame Material	Metal	-
Magnet Material	NdFeB	-
Diaphragm Material	Mylar	-
Weight	15.3	gr
Environmental Compliances	ROHS/REACH	-
Operating Temperature	$-20 \leq T_0 \leq 60$	°C
Storage Temperature	$-30 \leq T_s \leq 70$	°C

Typical Frequency Response ($P_{DRIVE} = 1W$; Distance = 1m)



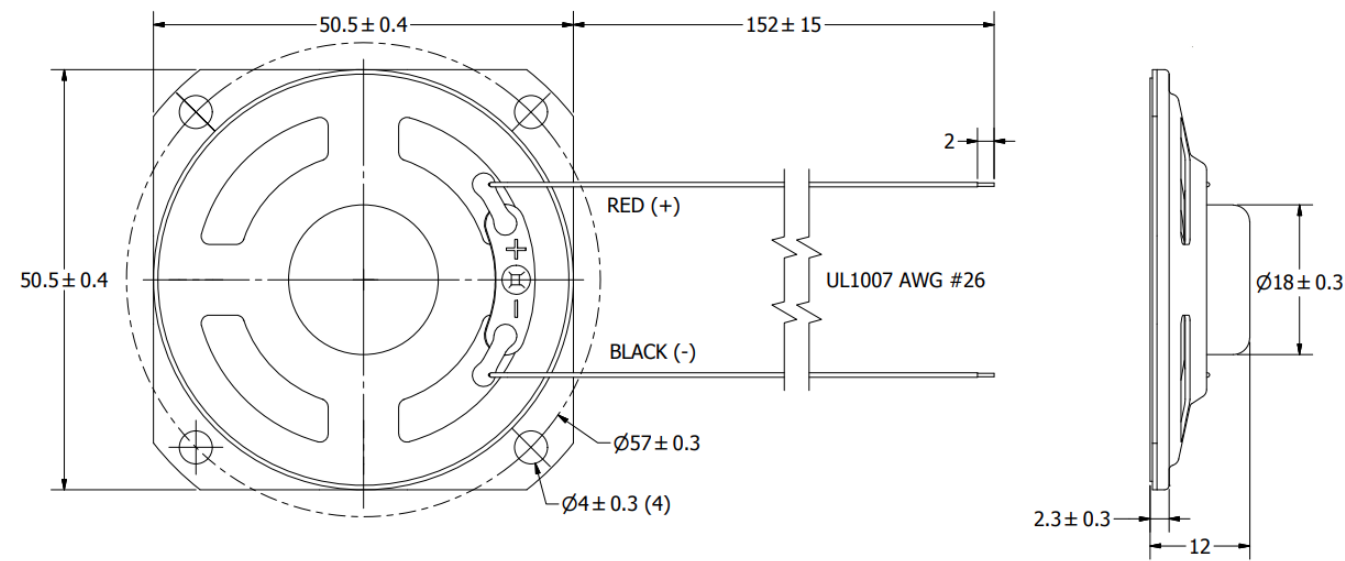
Measurement Method (Temperature: 15°C ≤ T ≤ 35°C, Humidity: 45% ≤ RH ≤ 75%)



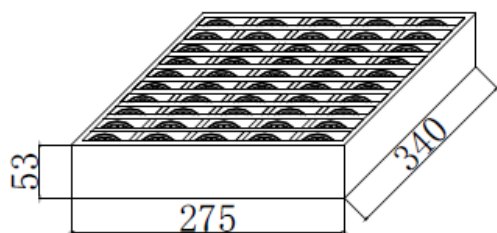
Reliability Testing (Note: After these tests, SPL variation should be within ±3dB.)

Type of Test	Test Specifications
High Temperature Test	hours at °C, then 1 hour in room temperature.
Low Temperature Test	hours at -°C, then 1 hour in room temperature.
Humidity Test	hours at °C with relative humidity at 90 ±5%, then hours in room temperature.
Vibration Test	Hz, at an amplitude of 1.5mm, for 3hours.
Drop Test	From a height of cm, drop the speaker onto concrete floor, times.

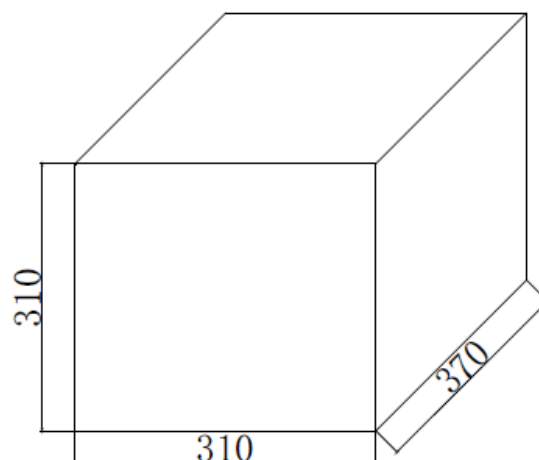
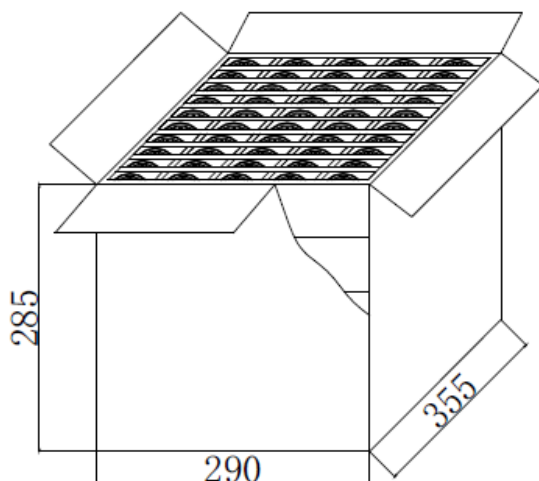
Dimensions



Packaging



1. Each clapboard 100pcs,
Each carton 5 clapboards,
500pcs/carton
N.W: 8 KG, G.W:11 KG
2. Corrugated paper: 340*275mm 1 pcs
3. Inner Carton size: 355*290*285mm 1 pcs
4. Outer Carton size: 370*310*310mm 1 pcs



Specifications Revisions

Revision	Description	Date	Approved
-	Released from Engineering	2/12/2014	
A	Updated Spec Format	6/5/2024	
B	Updates to Specifications table; Packaging information added	06/11/2026	KH
C	Packaging information change, tray is 100 pcs from 25 pcs	09/08/2026	BC

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.