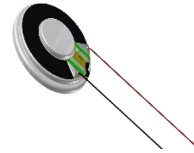




PUIaudio



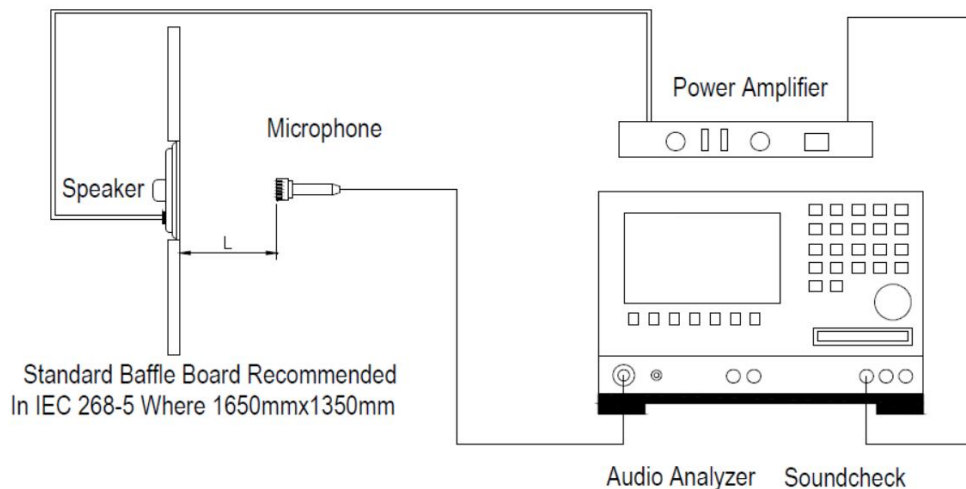
Data Sheet

AS02808MR-LW152-R

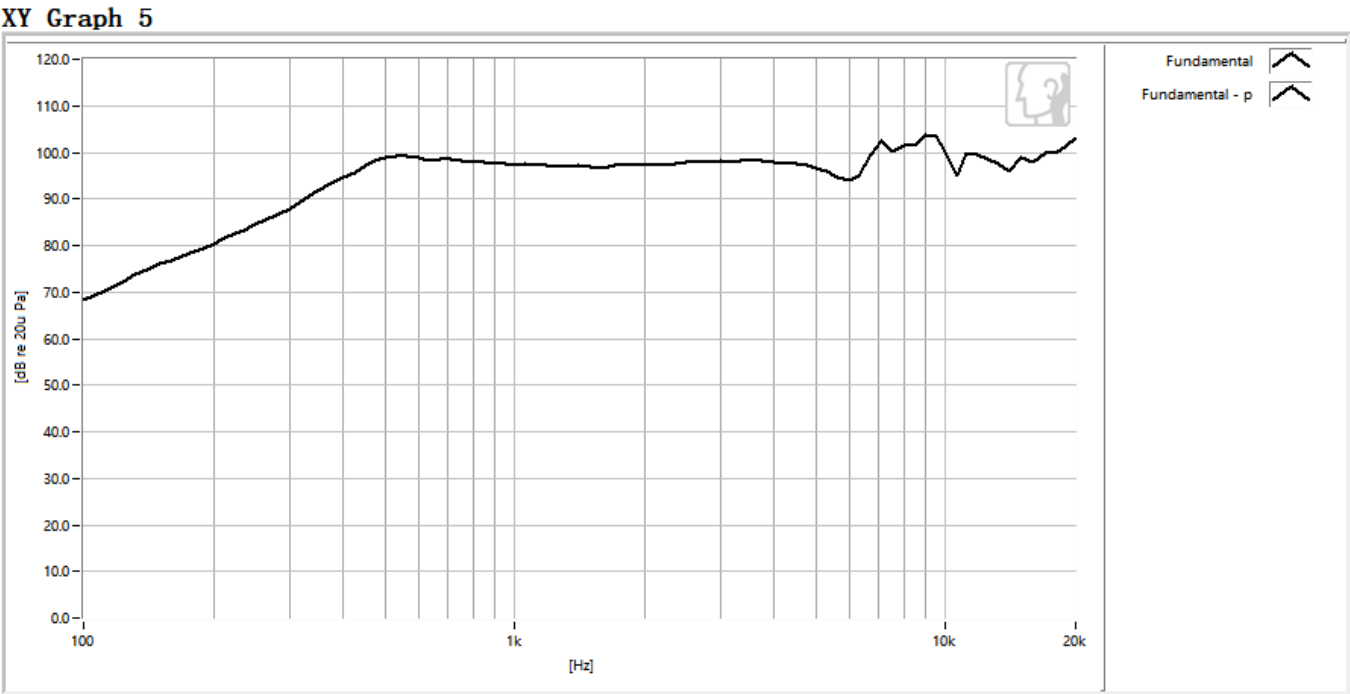
Specifications

Parameters	Values	Units
Rated Input Power	1.0	Watts
Max Input Power	1.5	Watts
Impedance	$8 \pm 15\%$	Ohms
Output SPL 1M/1W (Avg. @ 0.6, 0.8, 1.0, 1.2kHz)	80 ± 3	dB
Output SPL 10cm/1W (Avg. @ 0.6, 0.8, 1.0, 1.2kHz)	98 ± 3	
Resonant Frequency	$500 \pm 20\%$	Hz
Frequency Range	Fo ~ 20,000	Hz
THD @ 1kHz/0.1W	<10%	-
Diaphragm Material	Mylar	-
Magnet Material	NdFeB	-
Frame Material	Metal	-
Weight	6.5	Grams
Environmental Compliances	ROHS/REACH	-
Storage Temperature	-30 ~ 60	°C
Operating Temperature	-20 ~ 60	°C

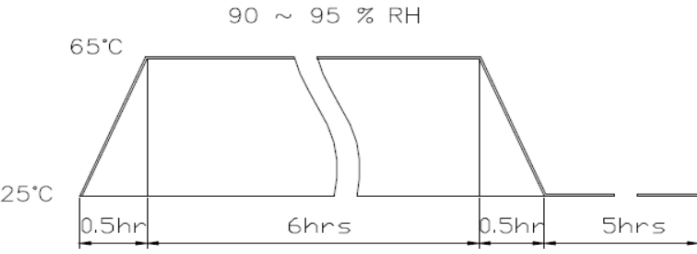
Measurement Method (1.0W, 10cm)



Typical Frequency Response (1.0W, 10cm)

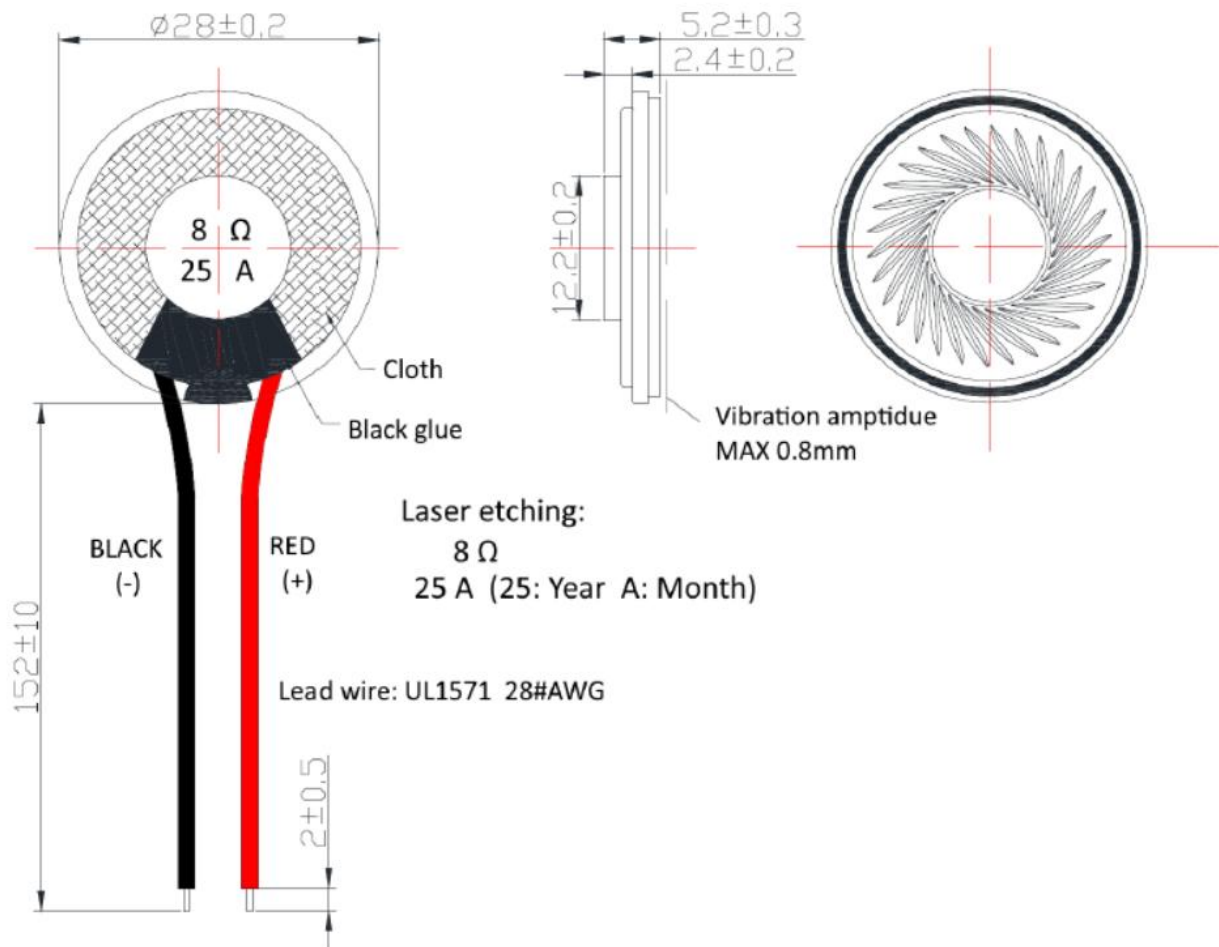


Reliability Testing

Type of Test	Test Specifications
High Temperature Test	96 hours at 60°C
Low Temperature Test	96 hours at -20°C
Humidity Test	96 hours at 30°C, 92-95% RH
Temperature Humidity 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 33 perpendicular directions
Life Test	Pink-Noise at rated power for 96 hours.
Drop Test	Fix onto exclusive tool, drop on concrete surface, height 100cm; all 6 surfaces, 5 time each, total 30 times

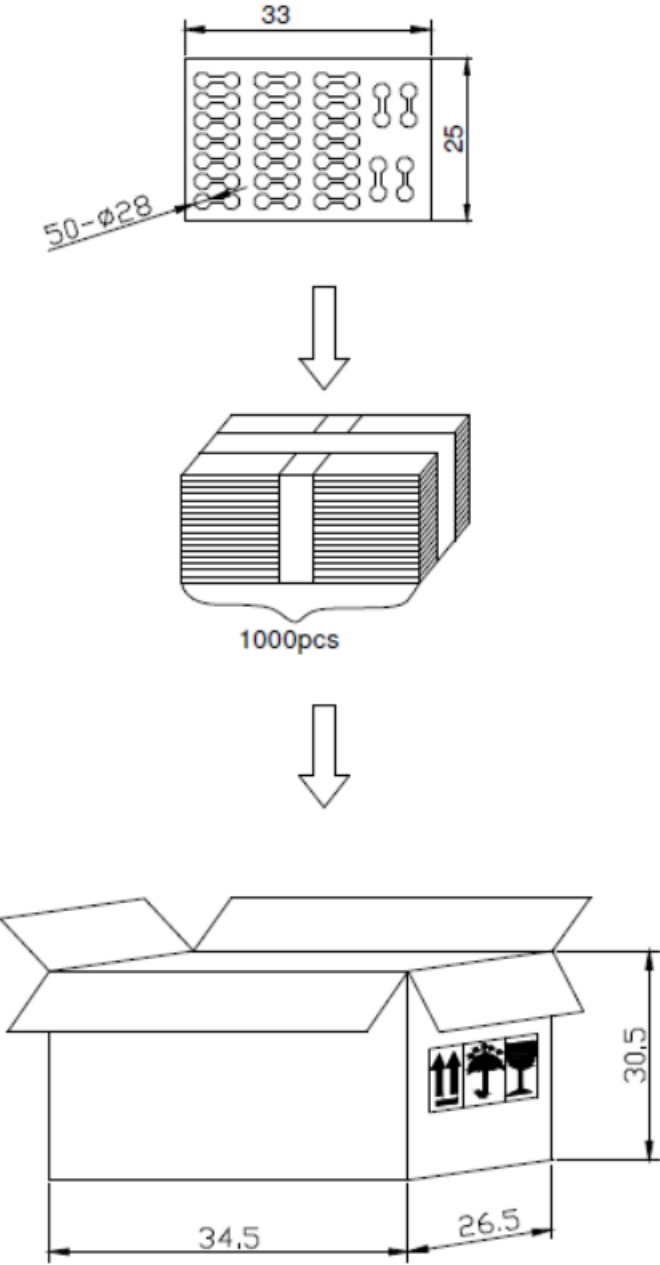
After each test the part shall be within ± 3 dB of initial SPL.

Dimensions



Packaging

- 50pcs Tray
- 20 trays per carton
- 1000k pcs



Specifications Revisions

Revision	Description	Date	Approved
-	Released from Engineering	01/31/2014	-
A	Revised SPL Rating	04/08/2014	
B	Update Spec format, Add details for packaging and reliability, Revise SPL and Distortion, add laser etch in part number and date lot 25H or newer.	07/17/2025	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.