

Data Sheet

AS03208MS-3-R

PUI Audio's **AS03208MS-3-R** packs a punch despite its 32 x 32 x 16.5mm size. A 3W nominal, 4W max power handling and great sensitivity combine to make for a small speaker that can output as much as 85 dB of sound at one meter!

The flat 200 Hz to 20,000 Hz frequency response covers over 90% of the audio band, and high-end design—rubber surround and non-resonant frame—makes for a speaker that truly delivers high fidelity performance. Great for critical listening applications!

Features:

- IP65 rated speaker face
- High 83 dB output at 1W/50cm
- Neodymium motor
- Only 16.5 mm thick
- 1.5mm of excursion

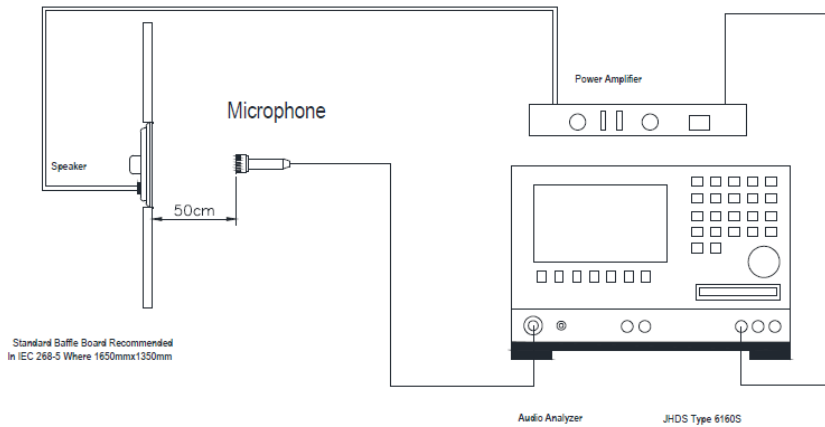
Specifications

Parameters	Values	Units
Rated Input Power	3	Watts
Max Input Power	4	Watts
Impedance	8 ± 15%	Ohms
Sensitivity (SPL @ 1W/50cm) (600, 800, 1000, and 1200 Hz)	83 ± 3	dBa
Distortion (Max @ 1W, 1 kHz)	<5%	
Resonant Frequency	200 ± 20%	Hz
Frequency Range	200 ~ 20,000	Hz
Housing Material	ABS	
Magnet Material	NdFeB	
Weight	16.6	Grams
Environmental Protection Rating	IP65	

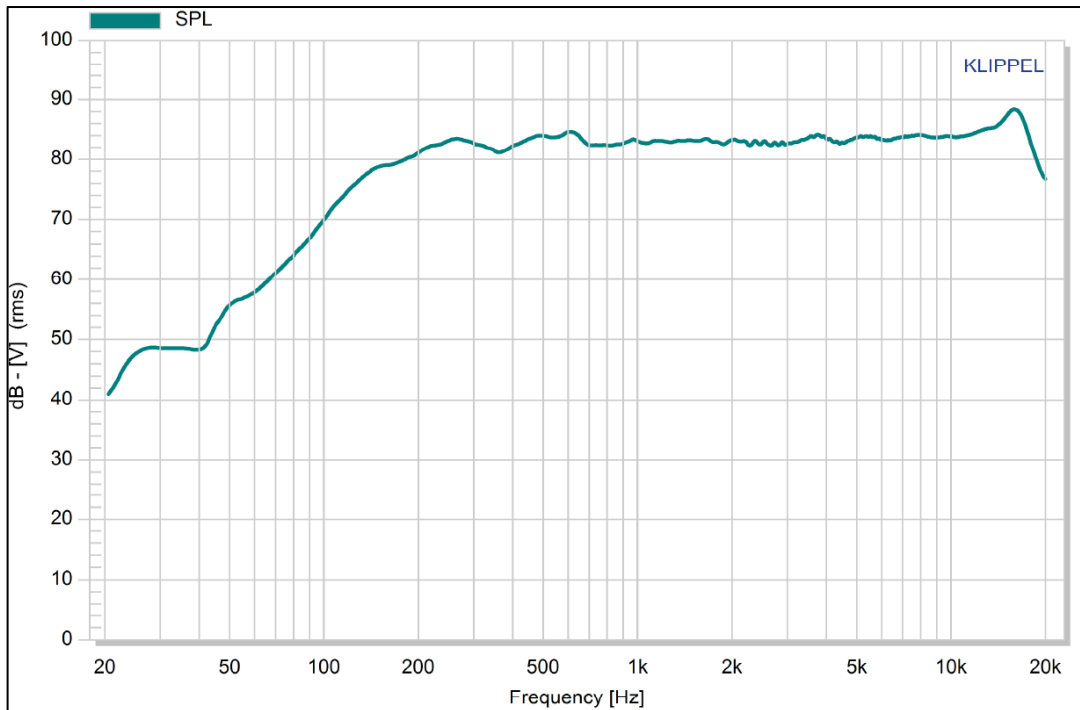
Specifications (continued)

Buzz, Rattle, etc.	Should not be audible with 3.46V sine wave from 300 Hz to 10 kHz	
Polarity	When positive voltage is applied to the positive terminal, the diaphragm will move outward	
Operating Temperature	-40 ~ +85	°C
Storage Temperature	-40 ~ +85	°C

Measurement Method



Frequency Response (measured at 50cm with 1W input power)



Specifications Revisions

Revision	Description	Date
-	Released from Engineering	5/2/2016
A	Revised IP Rating to IP65	12/8/2016
B	Revised Operating Temperature	1/11/2018

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.
3. This part is RoHS 2011/65/EU Compliant.