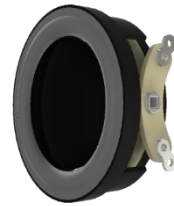




# PUIaudio

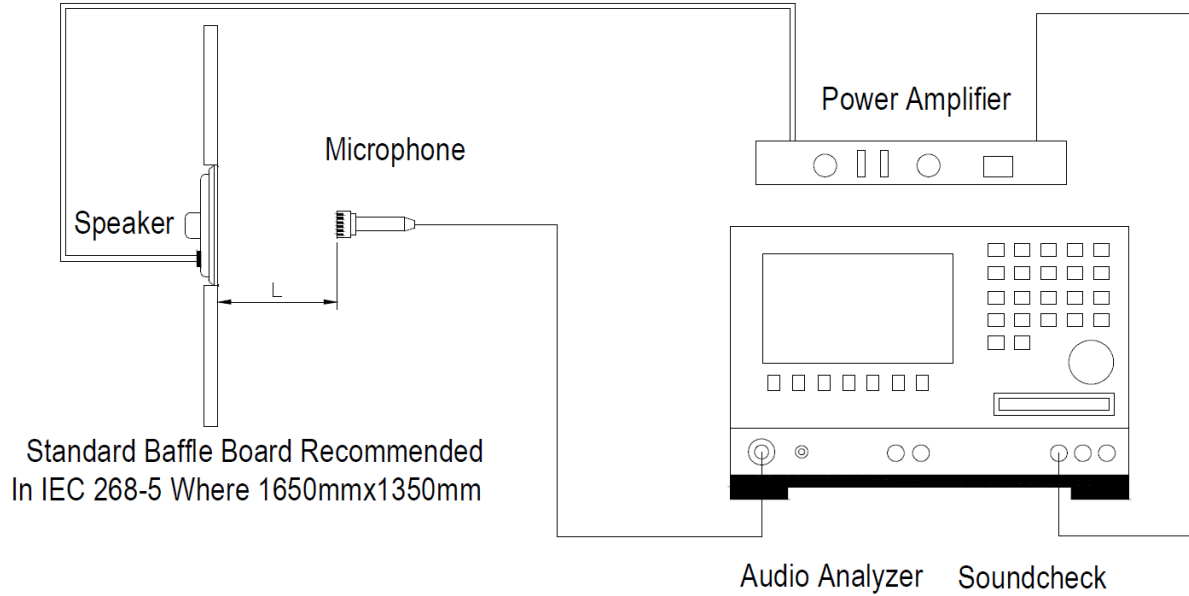


Data Sheet	AS03604MR-N50-HT-R
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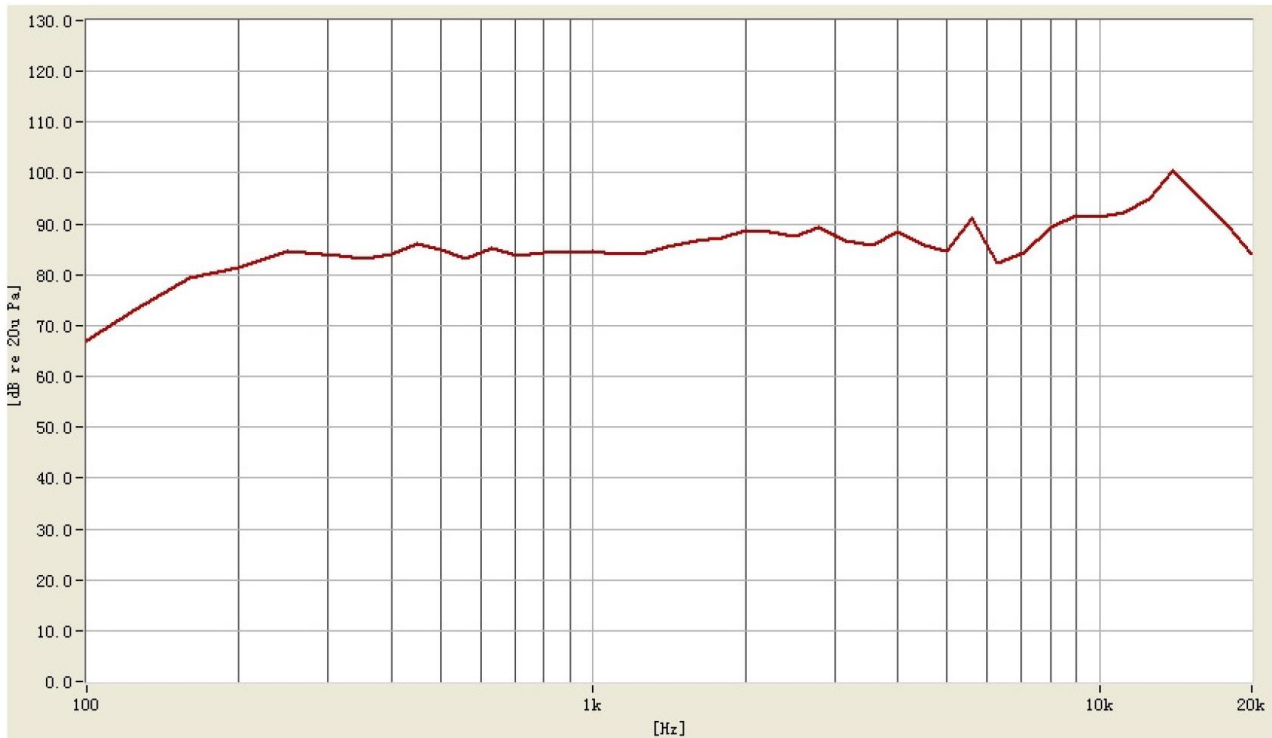
## Specifications

Parameters	Values	Units
Rated Input Power	5.0	Watts
Max Input Power	5.5	Watts
Impedance	4 ± 15%	Ohms
Output SPL ( <i>Avg. 0.8k, 1.0k, 1.2k, 1.5kHz @ 1W/0.5m average</i> )	85.0 ± 3	dB
Resonant Frequency ( $f_0$ )	200 ± 20%	Hz
Frequency Range	$f_0 \sim 10,000$	Hz
THD ( <i>1kHz, 1.0W Drive</i> )	≤5	%
Frame Material	Plastic	-
Diaphragm Material	PU-Edge/Paper	-
Magnet Material	NdFeB	-
Weight	20.2	Grams
Buzz, Rattle, etc.	Must not be audible with 4.47V <sub>RMS</sub> sine wave between $f_0 \sim 5\text{kHz}$	-
Environmental Protection Rating	ROHS/REACH	-
Polarity	Cone moves forward with positive dc current applied to "+" terminal	-
Storage Temperature	-40 ~ 70	°C
Operating Temperature	-25 ~ 55	°C

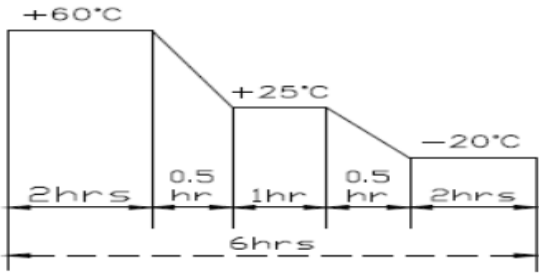
### Measurement Method (Measured with 1W, L = 0.5m, Temperature: 15 ~ 35°C, Relative Humidity: 25%~70%)



### Typical Frequency Response (Measured with 1W drive, distance = 0.5m)

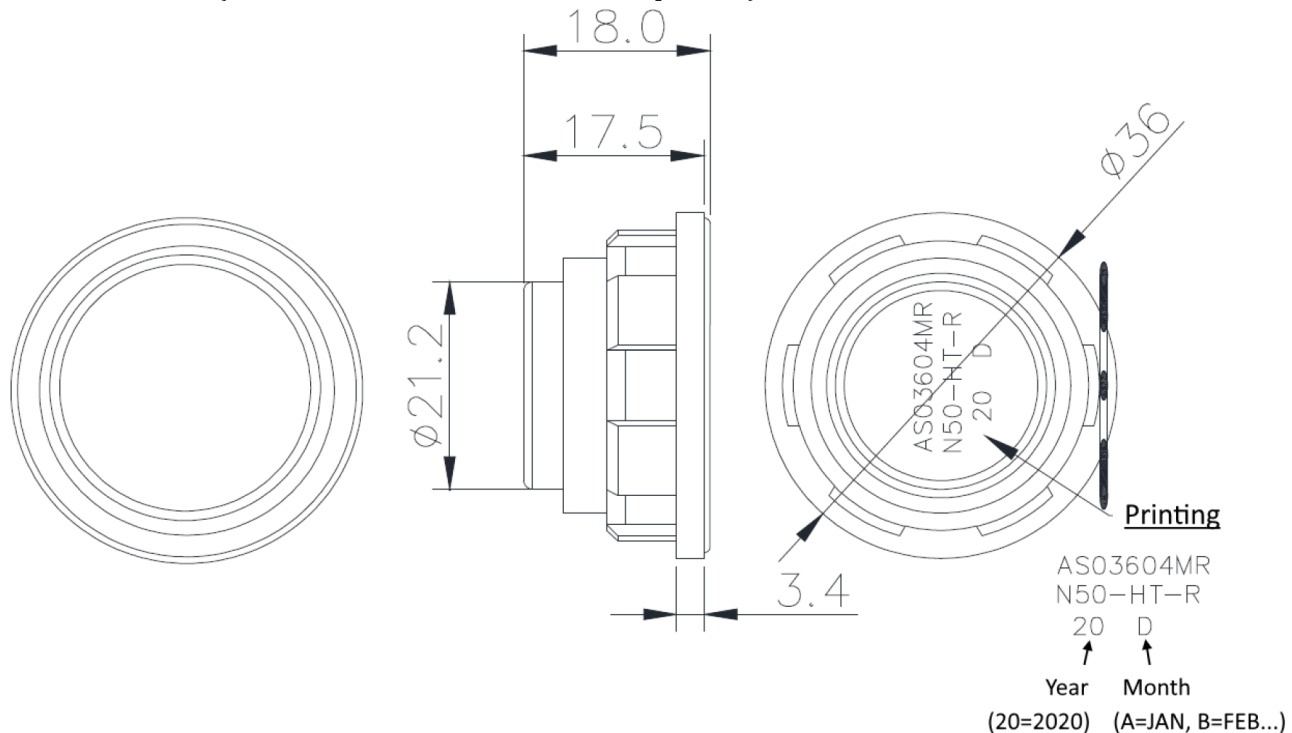


## Reliability Testing

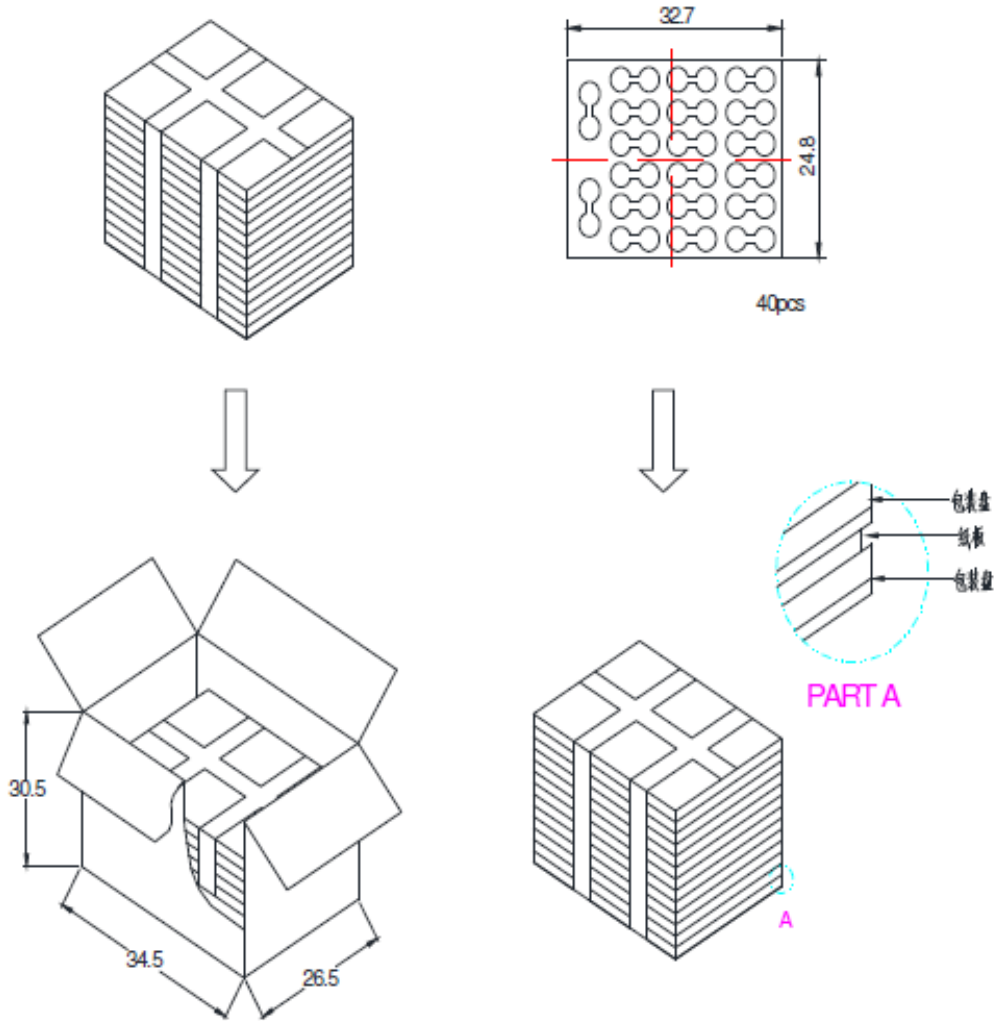
Type of Test	Test Specifications
High Temperature Test	96 hours at 70±3°C
Low Temperature Test	96 hours at -30±3°C
Humidity Test	96 hours at 30±3°C with relative humidity at 92~95%
Temperature Cycle Testing	Run for 5 cycles with each cycle consisting of: 
Vibration Test	Frequency: 10~55~10Hz Oct/min Amplitude: 1.5mm Duration: 2 hours each of 3 perpendicular directions
Drop Test	Drop the speaker contained in normal box onto the surface of 40mm thick board 10 times from the height of 75cm.
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



Remark:  
40 pcs per tray  
10 trays for unit, 1 units per carton  
Total:400pcs per box  
Size:34.5\*26.5\*30.5cm

**Specifications Revisions**

<b>Revision</b>	<b>Description</b>	<b>Date</b>
A	Released from Engineering	09/23/2019
B	Revised Frequency Range	07/24/2023

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.