



# PUI audio



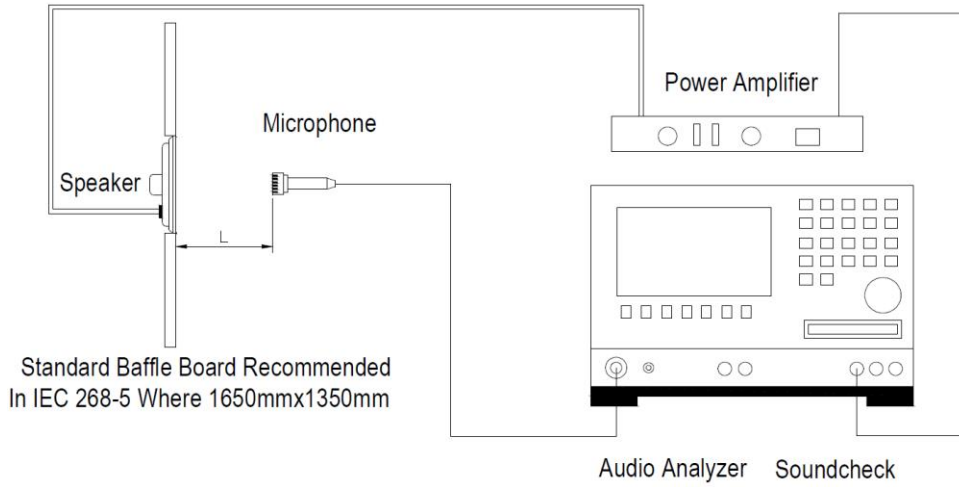
Data Sheet

AS04004PR-WR-R

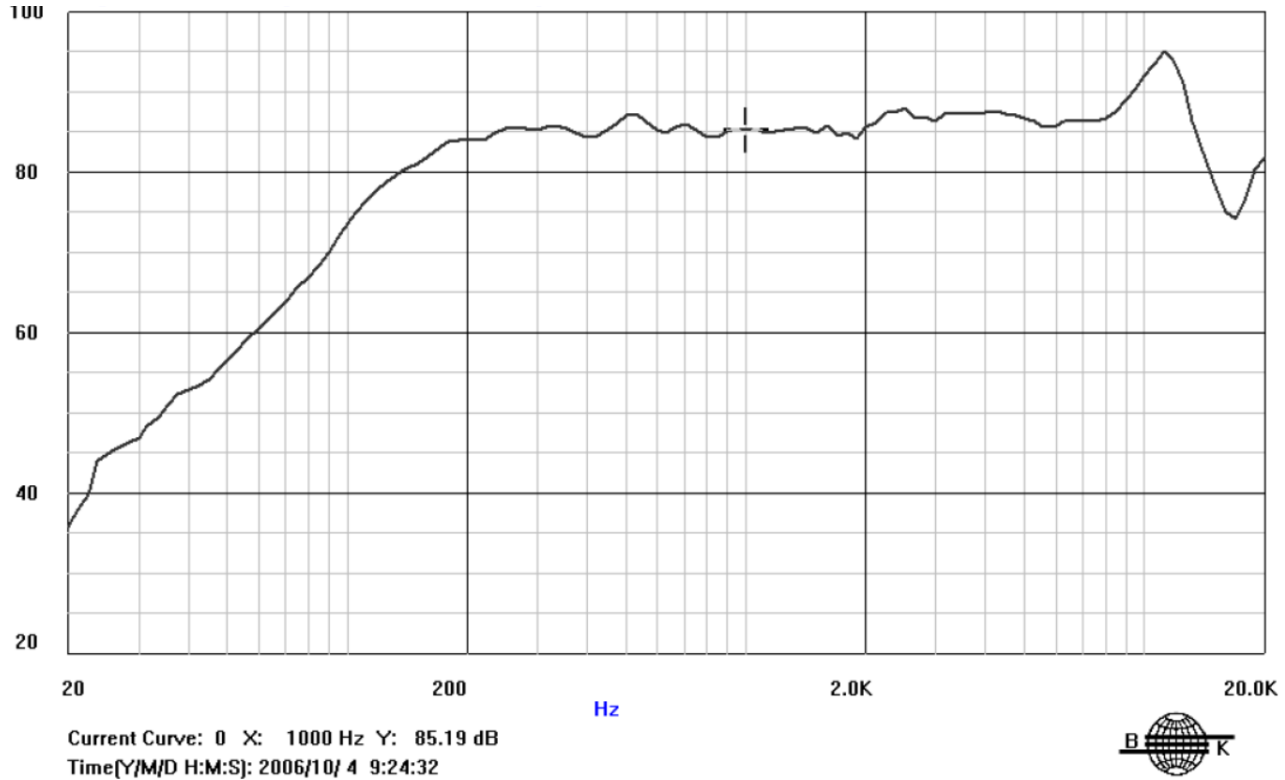
## Specifications

Parameters	Values	Units
Rated Input Power	3.0	Watts
Max Input Power	4.0	Watts
Impedance	4 ± 15%	Ohms
Output SPL ( <i>Avg. 0.6, 0.8, 1.0, 1.2kHz @ 1W/0.5m average</i> )	86.0 ± 3	dB
Resonant Frequency ( $f_0$ )	180 ± 20%	Hz
Frequency Range	100 ~ 20,000	Hz
THD ( <i>1kHz, 1.0W Drive</i> )	≤5	%
Diaphragm Material	Treated Paper	-
Frame Material	Metal	-
Magnet Material	NdFeB	-
Weight	25	Grams
Buzz, Rattle, etc.	Must not be audible with 3.46V <sub>RMS</sub> sine wave	-
Environmental Protection Rating	ROHS/REACH	-
Polarity	Cone moves forward with positive dc current applied to "+" terminal	-
Storage Temperature	-40 ~ 85	°C
Operating Temperature	-40 ~ 85	°C

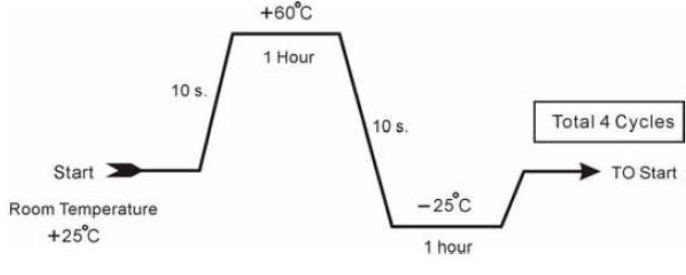
### Measurement Method (Measured with 1.0W, L = 0.5m, Temperature: 25 ~ 35°C, Relative Humidity: 25%~75%.)



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

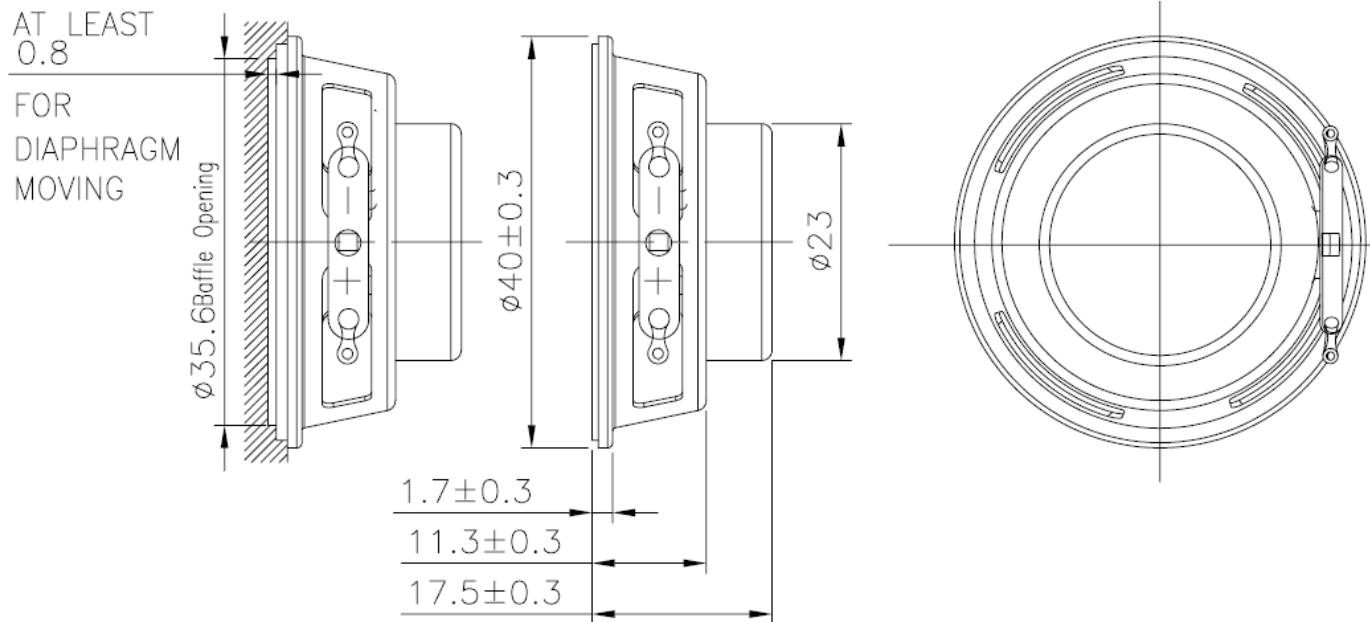


## Reliability Testing

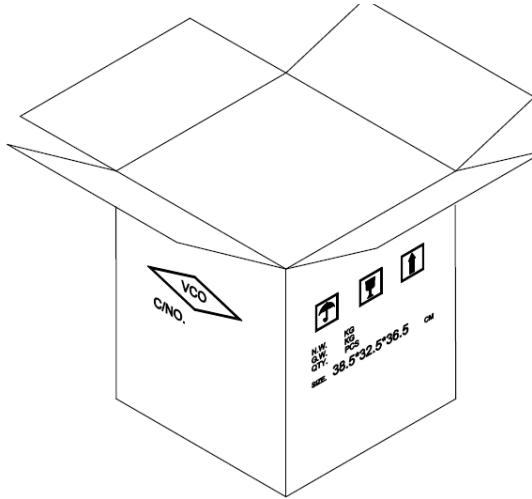
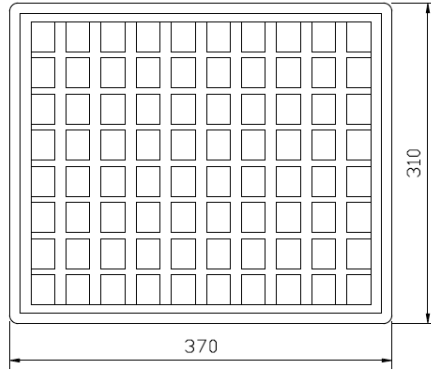
Type of Test	Test Specifications
High Temperature Test	96 hours at 60±2°C
Low Temperature Test	96 hours at -25±2°C
Humidity Test	96 hours at 40±2°C with relative humidity at 92~95%
Temperature Cycle Testing	Run 4 cycles of -25°C to 60°C (GB2423. 8-81) 
Vibration Test	Frequency: 30Hz ± 15Hz, Amplitude 1.5mm for 3 hours.
Drop Test	Drop from 75cm height onto concrete floor 10 times.
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.

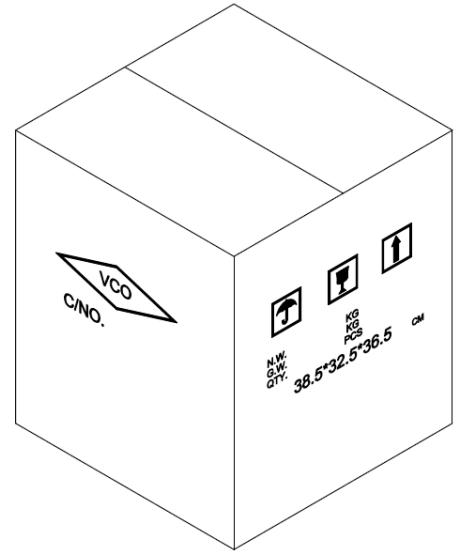
## Dimensions (Tolerance: ±0.5mm, unless otherwise specified.)



## Packaging



**NOTE:**  
 80 PCS per Layer  
 Total 7 Layers per box  
 Total 560 PCS per box  
 PS盤規格:370\*310\*56  
 紙箱規格: 385\*325\*365



### Specifications Revisions

Revision	Description	Date
-	Released from Engineering	05/04/2010
A	Revised to Inventory 3D Template	06/15/2010

**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. Speaker cone has been treated for water resistance.