



# PUI audio



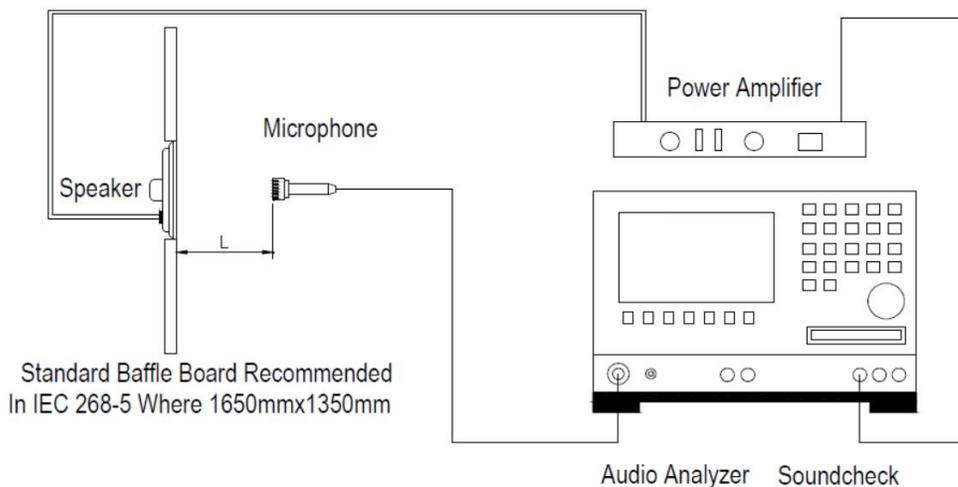
Data Sheet

AS03508CO-7-R

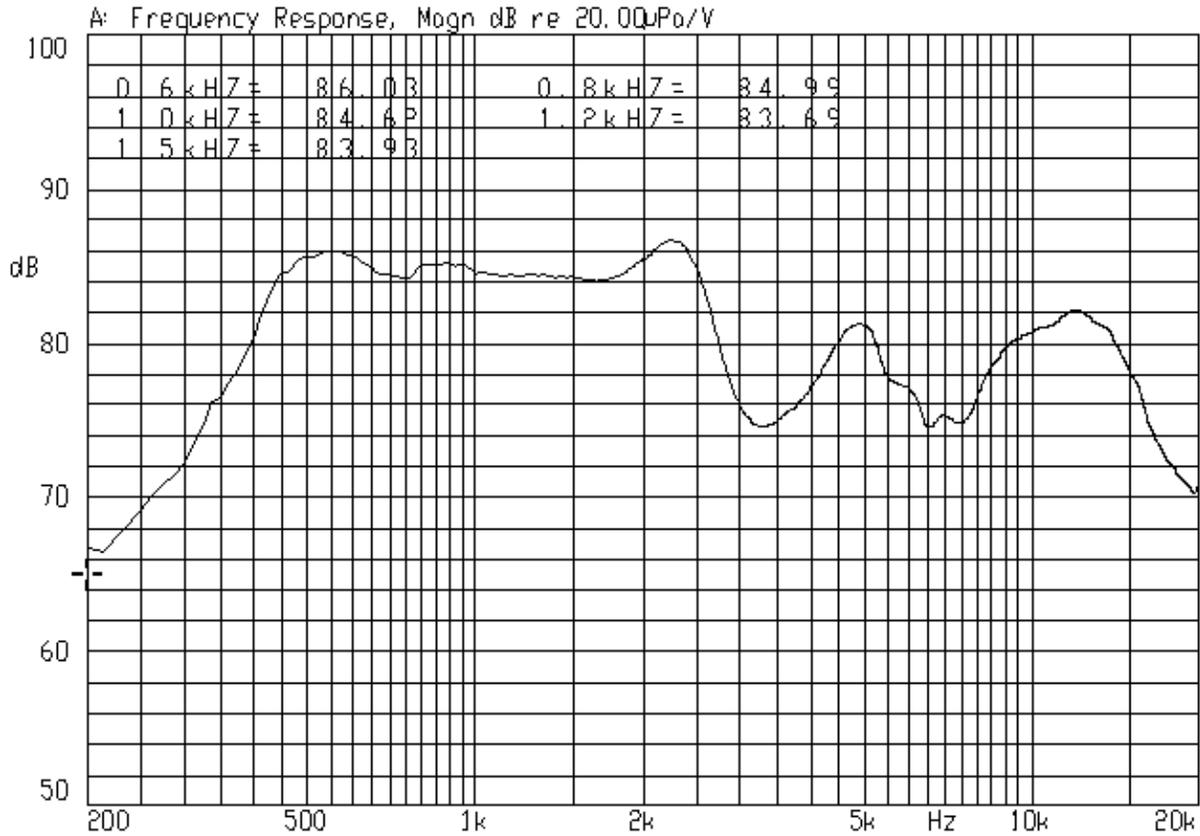
## Specifications

Parameters	Values	Units
Rated Input Power	1.0	Watts
Max Input Power	2.0	Watts
Impedance	$8 \pm 15\%$	Ohms
Output SPL (Avg. @ 0.6, 0.8, 1.0, 1.2kHz; 1.0W/50cm)	$83 \pm 3$	dB
Resonant Frequency (1kHz, 1W)	$700 \pm 20\%$	Hz
Frequency Range	$F_o \sim 20,000$	Hz
THD	<10%	-
Diaphragm Material	Cloth	-
Magnet Material	NdFeB	-
Frame Material	PBT	-
Weight	7.5	Grams
Environmental Compliances	ROHS/REACH	-
Storage Temperature	-40 ~ 80	°C
Operating Temperature	-30 ~ 70	°C

## Measurement Method (1W, L=50cm)



## Typical Frequency Response (1W, 50cm)



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Mode: TSR

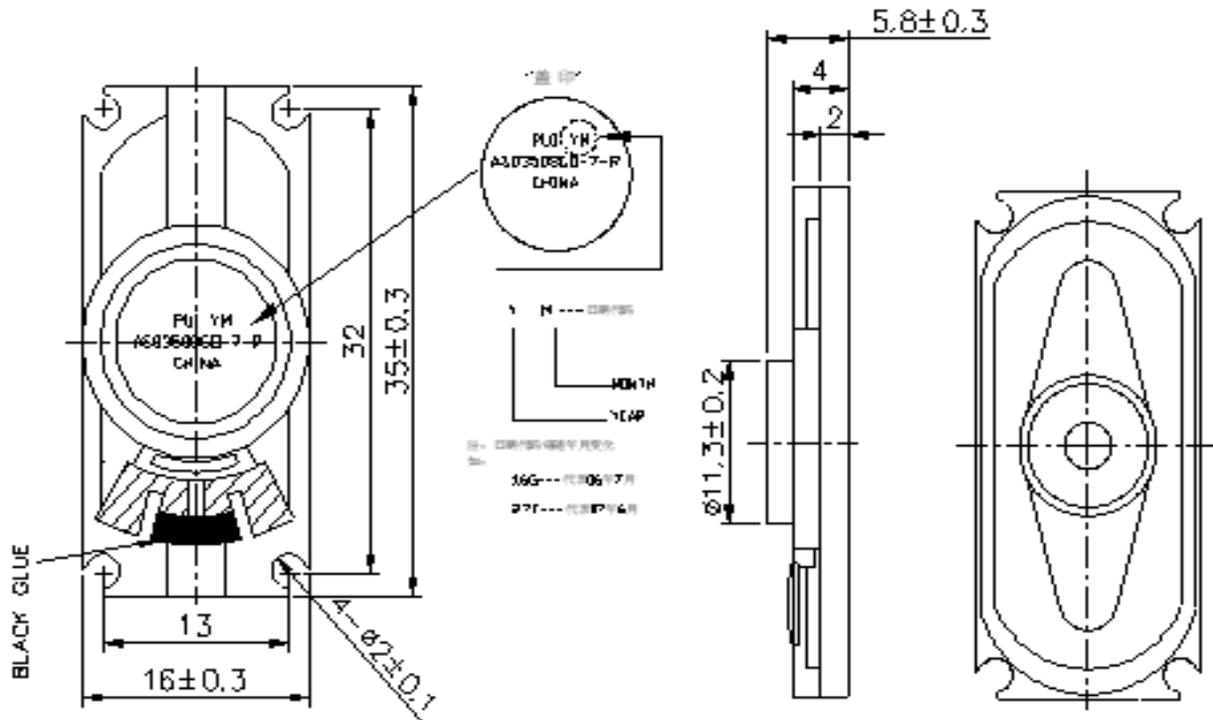


## Reliability Testing

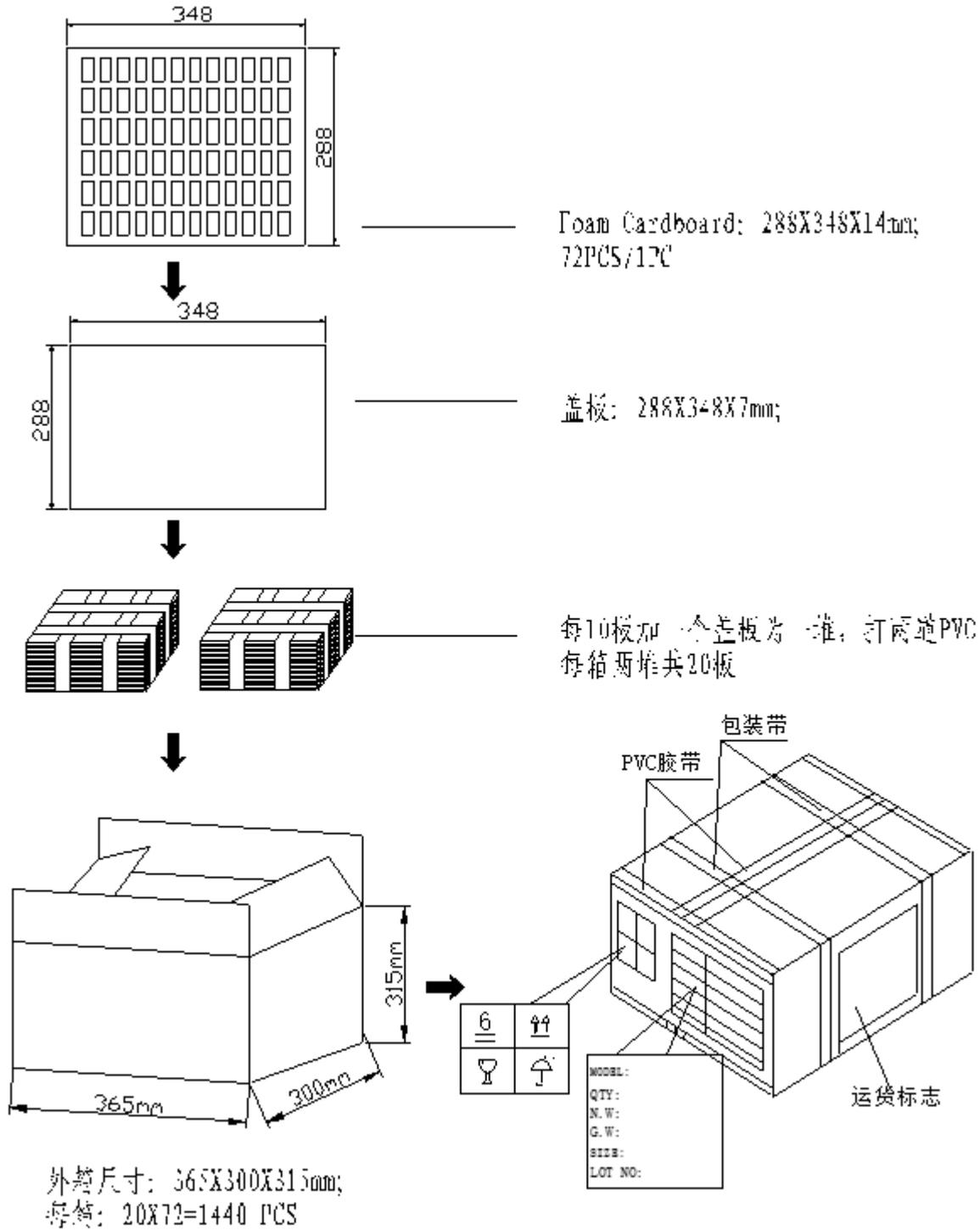
Type of Test	Test Specifications
High Temperature Test	96 hours at 60°C
Low Temperature Test	96 hours at -20°C
Humidity Test	96 hours at 40°C, 95% RH
Temperature Humidity Cycle Testing	Run for 5 cycles with each cycle consisting of: -20C for 1 hour, 60C for 1 hour
Vibration Test	10-55-10Hz Sine-Wave Sweep 15min. 5G (constant) X/Y/Z direction, 2 hours each, total 6 hours.
Life Test	White-Noise at rated power for 96 hours.
Drop Test	Free drop a unit from 100cm height to 220mm thick board in X/Y/Z direction 2 times each, total 6 times

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

## Dimensions



## Packaging



**Specifications Revisions**

<b>Revision</b>	<b>Description</b>	<b>Date</b>
-	Released from Engineering	9/13/2006
A	Revised Frame Dimension	8/24/2009
B	Revised to Inventor 3D Template	9/8/2009
C	Revised Frame Dimension and Updated ROHS Status	8/14/2013
D	Revised Dimensions and Parameters	4/24/2014

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.