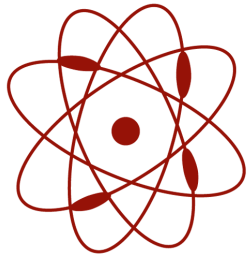




**THE DATASHEET OF
AS01008MR-2-R**





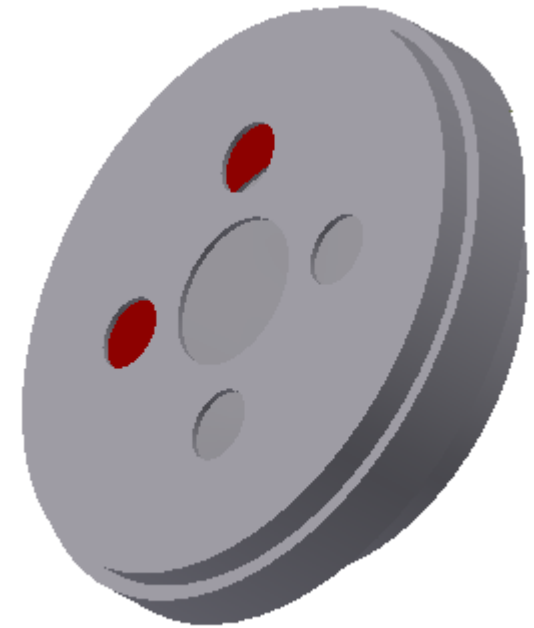
pui
audio™ inc
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AS01008MR-2-R 10mm Speaker

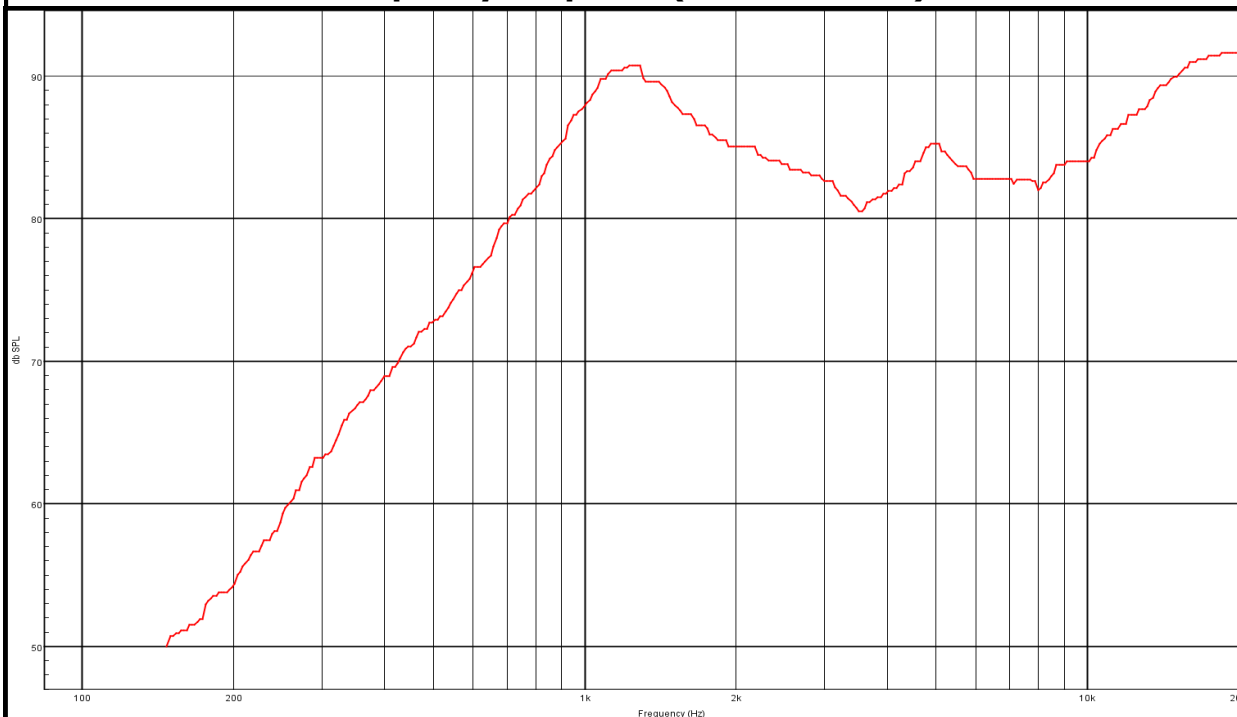
3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

- 10 mm diameter speaker with Neodymium magnet for 86 dB sensitivity
- 0.3W continuous, 0.5W maximum power handling and 8Ω impedance
- Mylar diaphragm for moisture resistance and metal housing for protection
- Less than 3 mm thick for space-limited applications

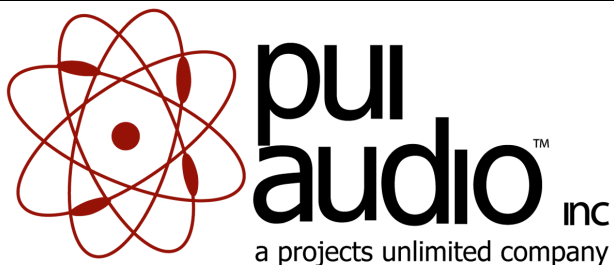


Frequency Response (0.3W @ 10 cm)



An Initiative of the EICC and GeSI

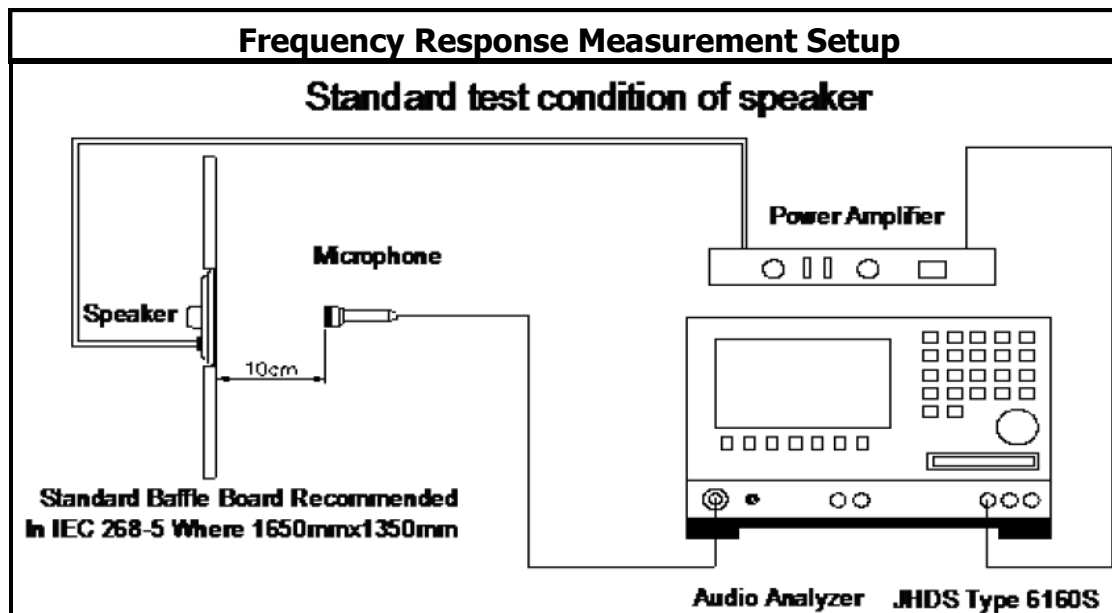




AS01008MR-2-R 10mm Speaker

Mechanical and Environment Testing	
Test Description	Test Condition
High Temperature	55°C with random humidity for 96 hours
Low Temperature	-30°C with random humidity for 96 hours
Humidity	40°C with 90% to 95% relative humidity for 96 hours
Vibration	1.5 mm movement modulated at 10 to 55 Hz for 2 hours
Drop Test	75 cm free fall onto 40 mm thick board, 10 cy-
Temperature Cycle Test	-30°C to 60°C, 5 cycles

After tests, speaker shall rest for 1 hours. SPL shall not deviate ± 3 dB from pre-test measurement.



SPECIFICATIONS

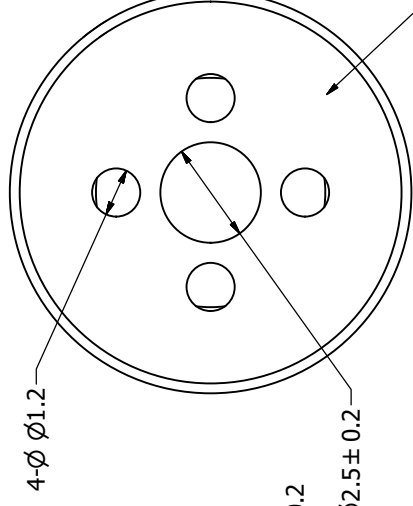
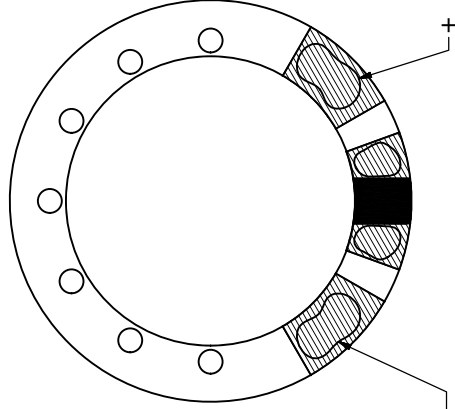
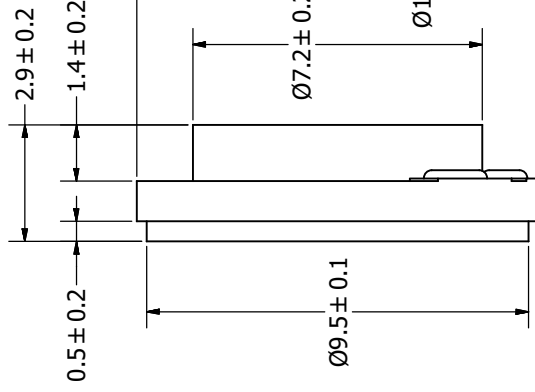
PARAMETERS	VALUES	UNITS
RATED INPUT POWER	0.3	W
MAX INPUT POWER	0.5	W
IMPEDANCE	8± 15%	OHM
OUTPUT SPL @ 0.3W/10cm (AT 1.0, 1.2, 1.5, 2.0 kHz)	86± 3	dBa
DISTORTION (MAX.)	10%	-
RESONANT FREQUENCY	1,200± 20%	Hz
FREQUENCY RANGE	Fo ~ 20k	Hz
HOUSING MATERIAL	METAL	-
CONE MATERIAL	MYLAR	-
MAGNET MATERIAL	NdFeB	-
OPERATING TEMPERATURE	-20~ +55	°C
WEIGHT	0.6	grams

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LTR	REVISION HIST DESCRIPTION
-	RELEASED FROM ENGINEERING



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWAL WITHOUT NOTICE.
3. THIS PART IS RoHS 2011/65/EU COMPLIANT.

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN MILLIMETERS,

TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.

AS01008MR-2-R.idw

SIZE

A3

Designed by

T.E.S.

Date

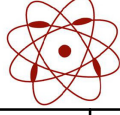
10/31/2014

Checked by

M.L.

Date

11/11/



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SIZE

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