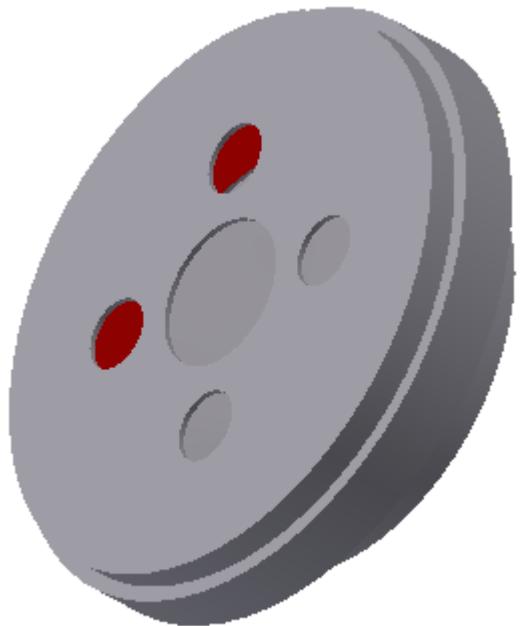


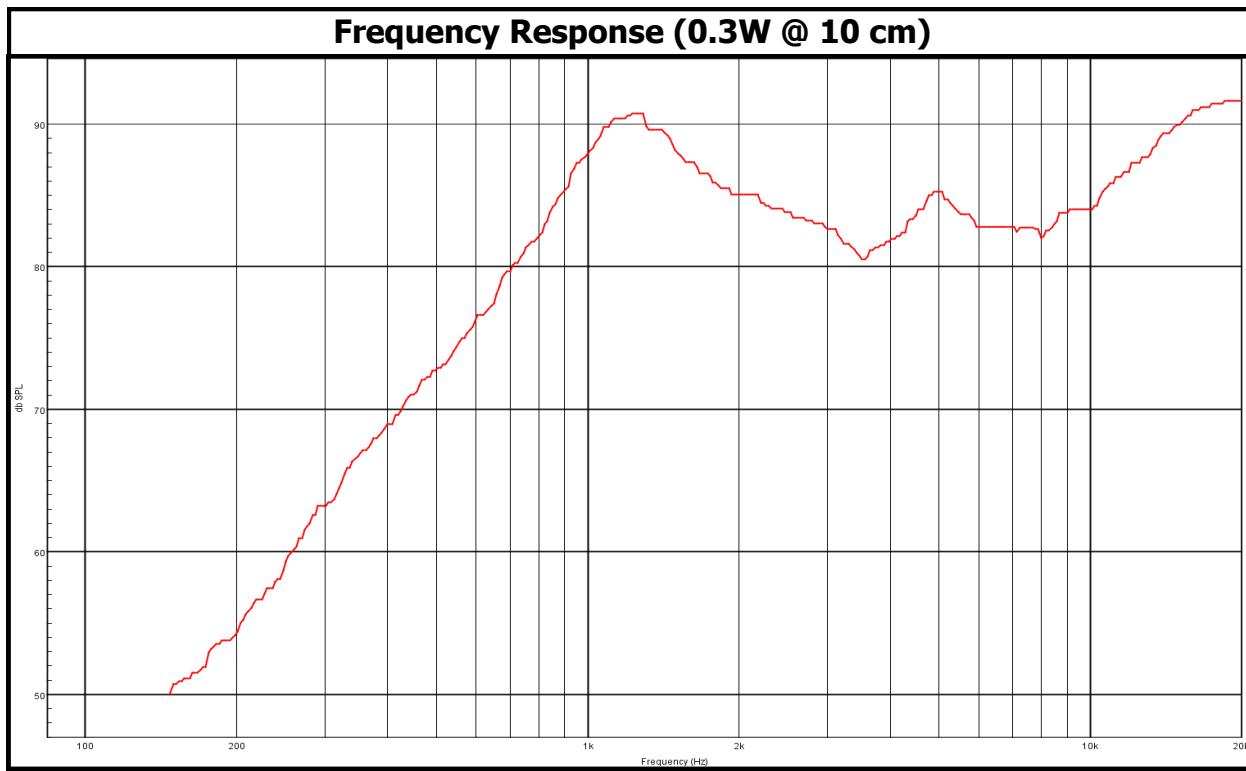
3541 Stop Eight Road • Dayton, Ohio 45414

AS01008MR-2-R **10mm Speaker**



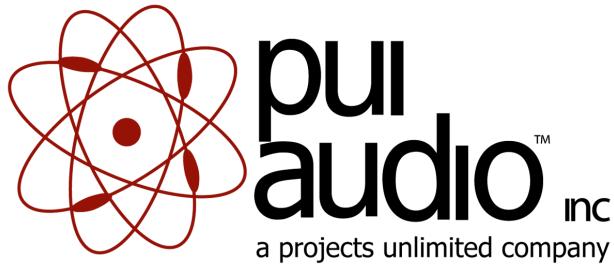
Product Overview

- 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



An Initiative of the EICC and GeSI



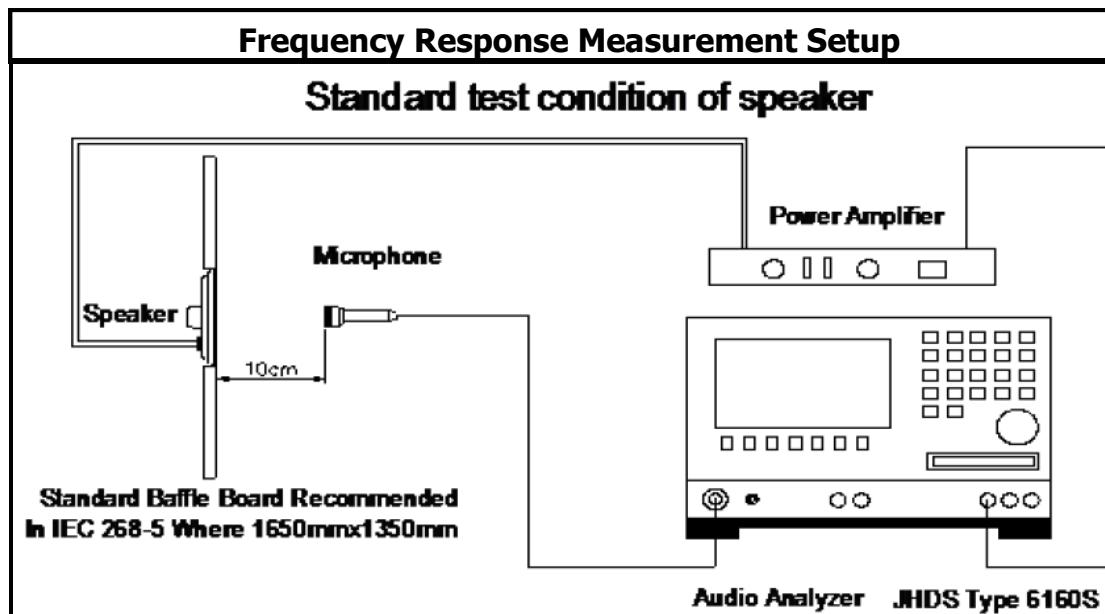


AS01008MR-2-R

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 cycles
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

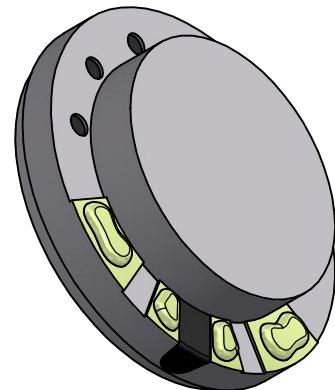
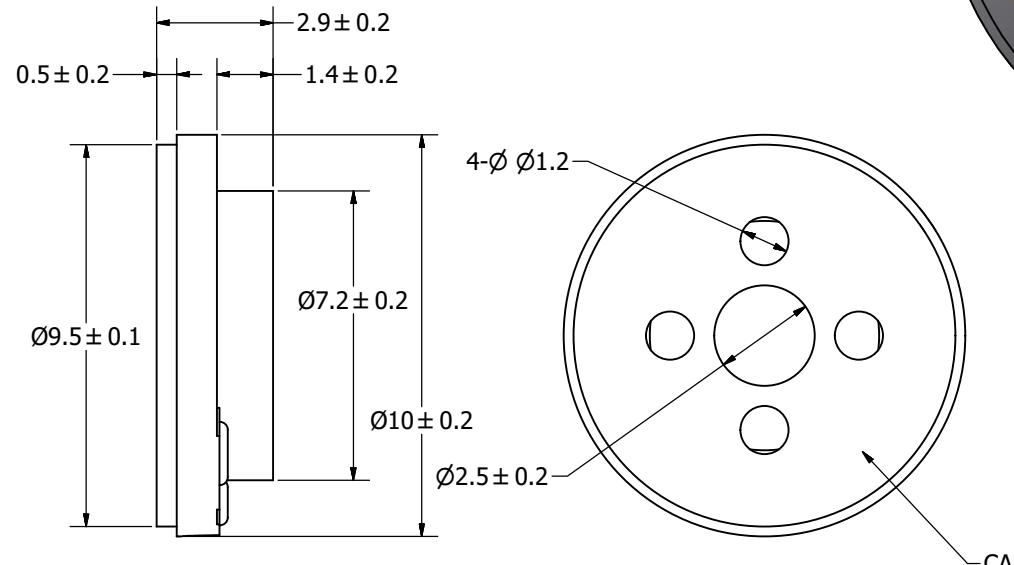
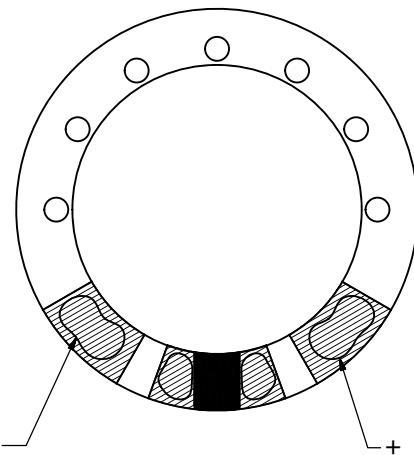
PARAMETERS	VALUES	UNITS
RATED INPUT POWER	0.3	W
MAX INPUT POWER	0.5	W
IMPEDANCE	8± 15%	OHM
OUTPUT SPL @ 0.3W/10cm (AT 1.0, 1.2, 1.5, 2.0 kHz)	86± 3	dBA
DISTORTION (MAX.)	10%	-
RESONANT FREQUENCY	1,200± 20%	Hz
FREQUENCY RANGE	Fo ~ 20k	Hz
HOUSING MATERIAL	METAL	-
CONE MATERIAL	MYLAR	-
MAGNET MATERIAL	NdFeB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

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REVISION HISTORY

LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	11/11/2014	



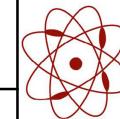
NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWL 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	Date	Checked by	Date	Approved by	Date	Drawn Date
T.E.S.	10/31/2014	M.L.	11/11/2014	B.R.	11/11/2014	10/31/2014

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inc
a projects unlimited company

AS01008MR-2-R
Speaker
Edition -
Sheet 1 / 1

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