



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



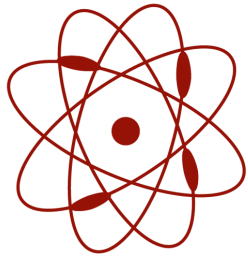
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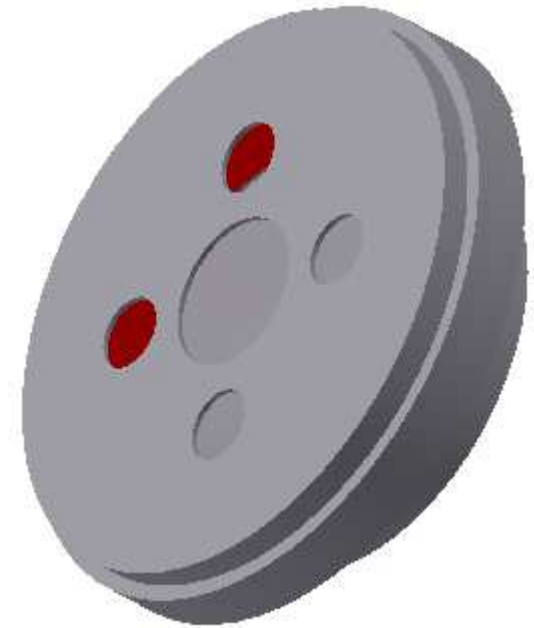
pui
audio™ inc
a projects unlimited company

AS01008MR-2-R 10mm Speaker

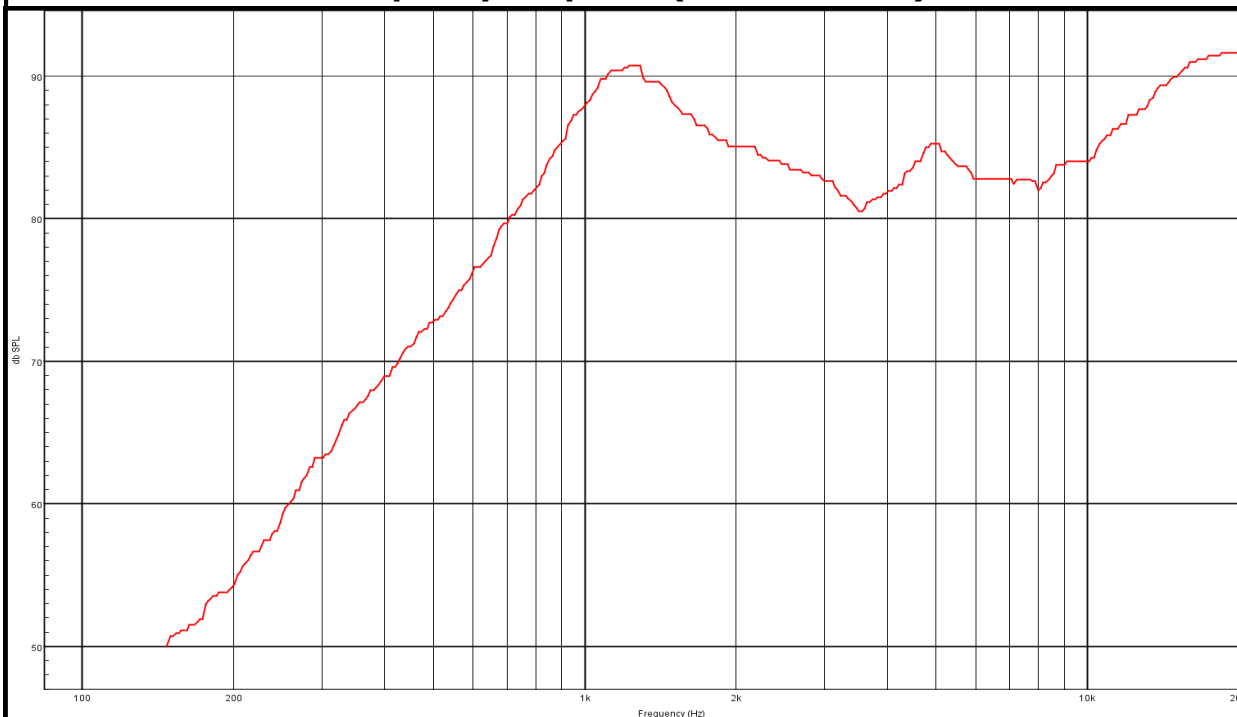
3541 Stop Eight Road • Dayton, Ohio 45414

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

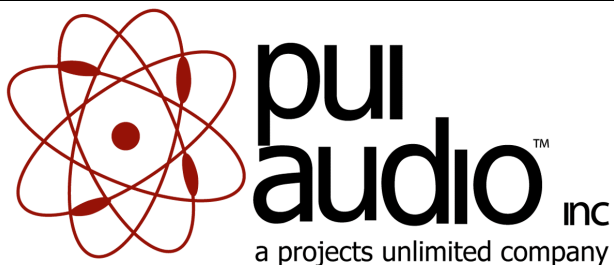


Frequency Response (0.3W @ 10 cm)



An Initiative of the EICC and CeSI

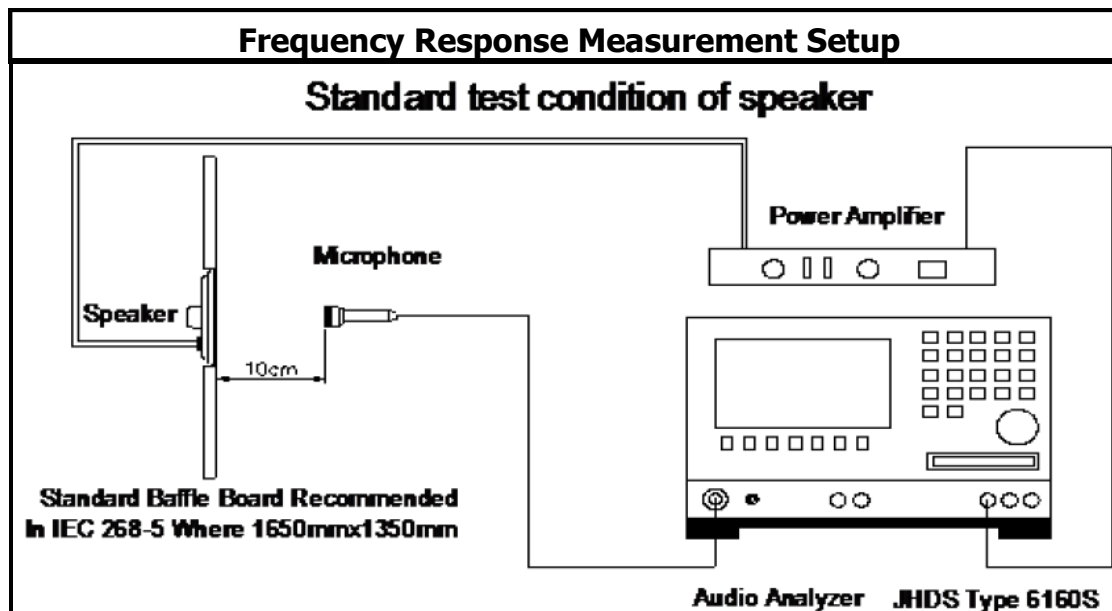




AS01008MR-2-R 10mm Speaker

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

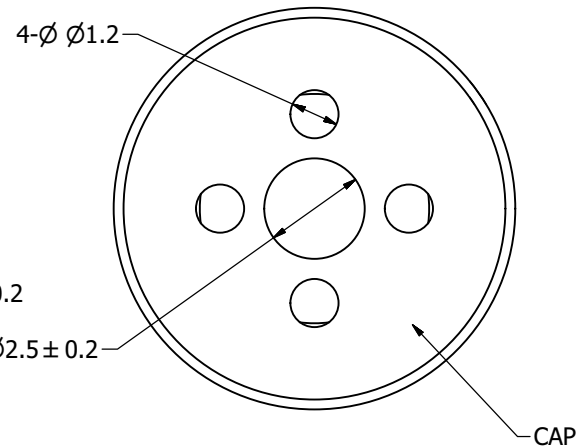
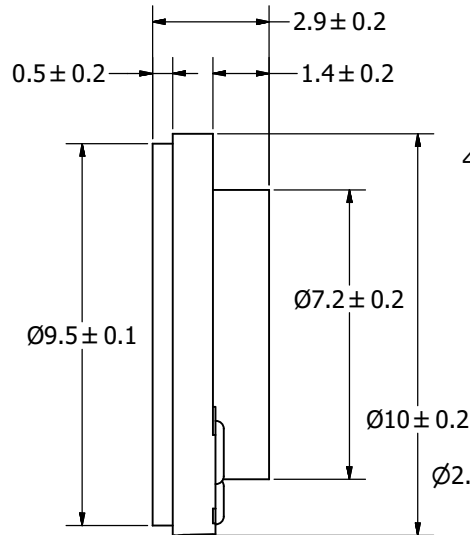
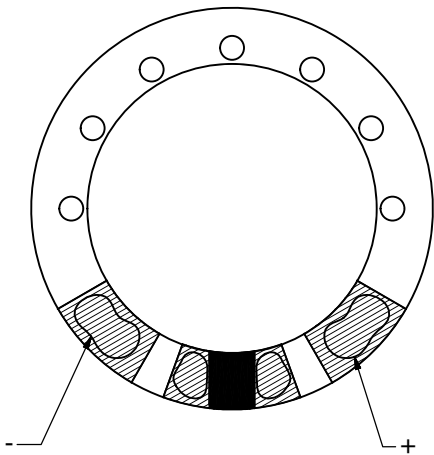
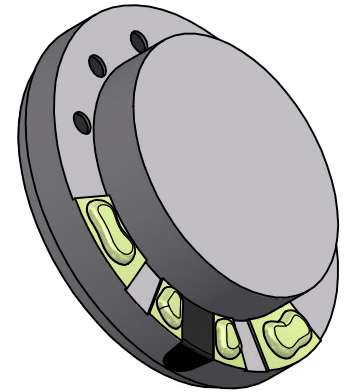
PARAMETERS	VALUES	UNITS
RATED INPUT POWER	0.3	W
MAX INPUT POWER	0.5	W
IMPEDANCE	8± 15%	OHM
OUTPUT SPL @ 0.3W/10cm (AT 1.0, 1.2, 1.5, 2.0 kHz)	86± 3	dB
DISTORTION (MAX.)	10%	-
RESONANT FREQUENCY	1,200± 20%	Hz
FREQUENCY RANGE	Fo ~ 20k	Hz
HOUSING MATERIAL	METAL	-
CONE MATERIAL	MYLAR	-
MAGNET MATERIAL	NdFeB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

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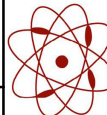
REVISION HISTORY

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



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. SPECIFICATIONS SUBJECT TO CHANGE OR 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°.	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
AS01008MR-2-R.idw		 pui audio a projects unlimited company			AS01008MR-2-R Speaker		Edition	Sheet
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