

## ADS02008MR-R 20mm Speaker

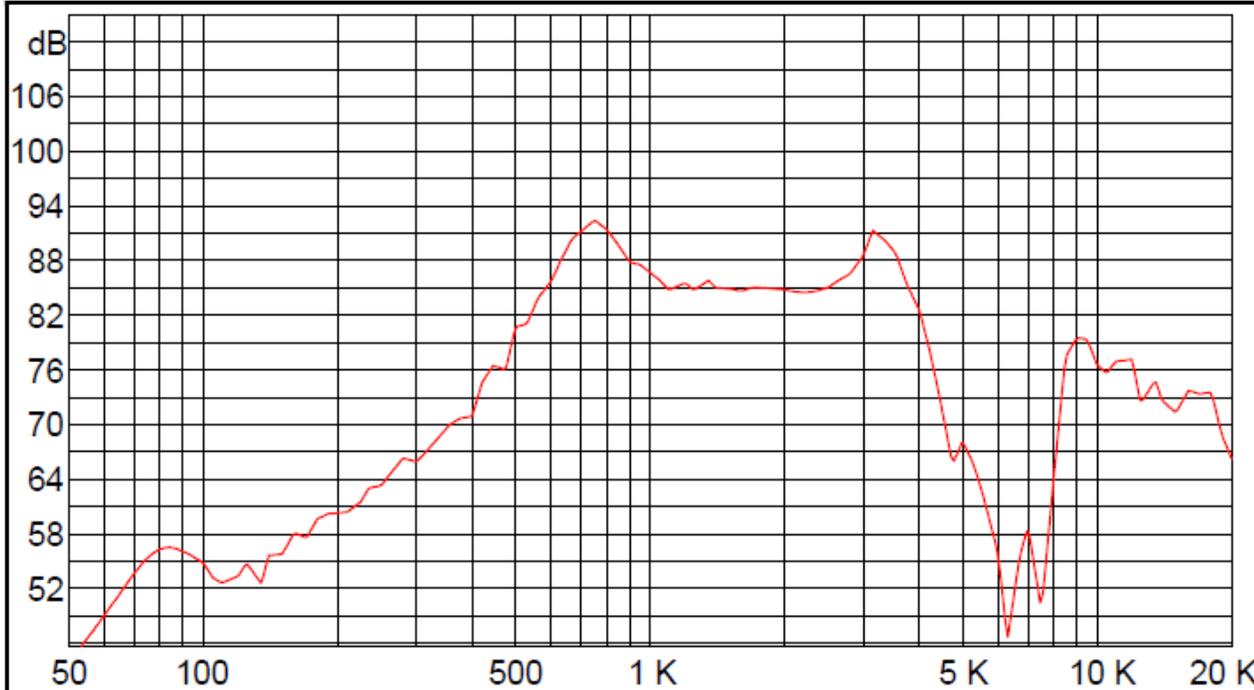


3541 Stop Eight Road • Dayton, Ohio 45414

### Product Overview

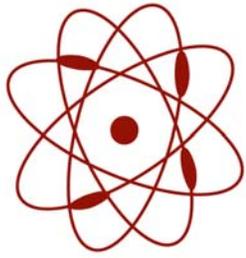
- 20mm diameter speaker with Neodymium magnet for 86 dB sensitivity
- 0.08W continuous, 0.2W maximum power handling and 8Ω impedance
- Silver polyester cone with pleated surround for great vocal reproduction

Frequency Response (0.08W @ 0.1 meter)



Authorized for the U.S. only





**pui audio**™ inc  
a projects unlimited company

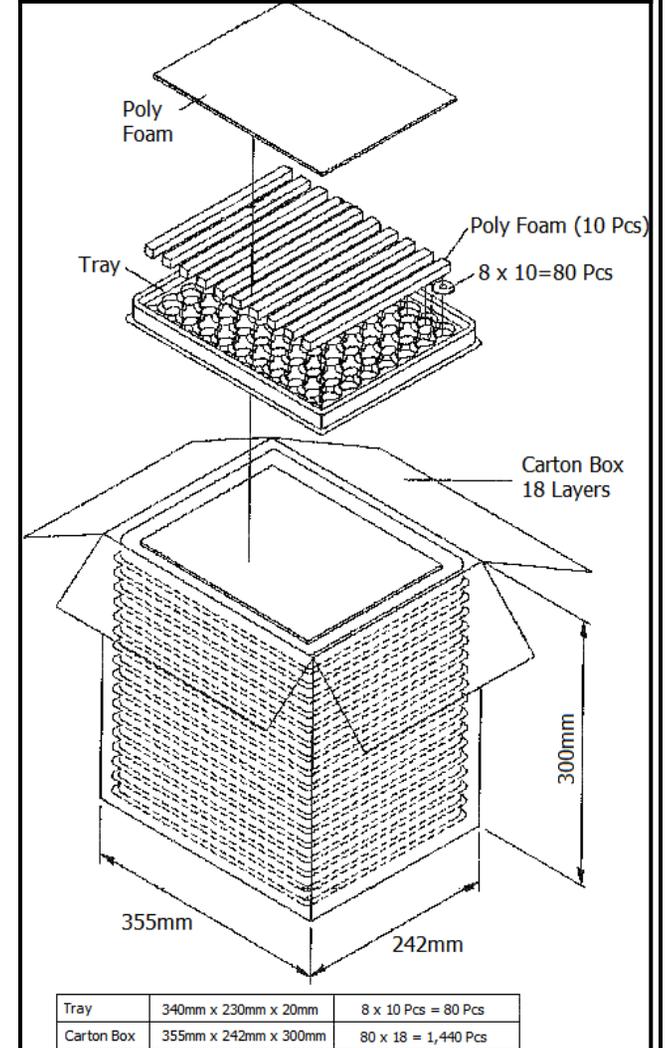
## ADS02008MR-R 20mm Speaker

### Mechanical and Environment Testing

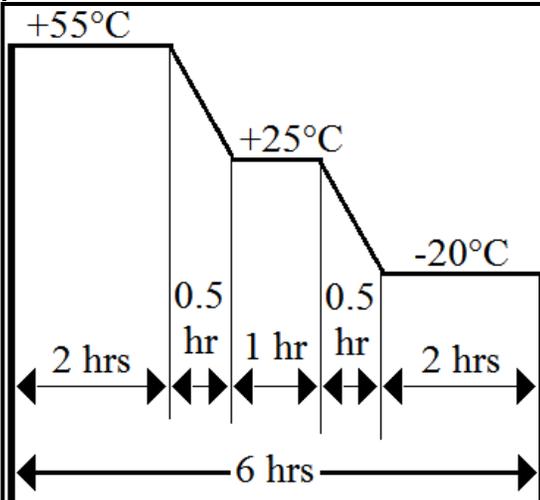
Test Description	Test Condition
High Temperature	55°C with random humidity for 96 hours
Low Temperature	-20°C with random humidity for 96 hours
Humidity	40°C with 90% to 95% relative humidity for 96 hours
Vibration	1.5 mm movement modulated at 10 to 55 Hz for 2 hours
Drop Test	75 cm free fall onto 40 mm thick board, 10 cycles
Temperature Cycle Test	-20°C to 55°C, 5 cycles (refer to Temperature Cycle Test Graph)

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

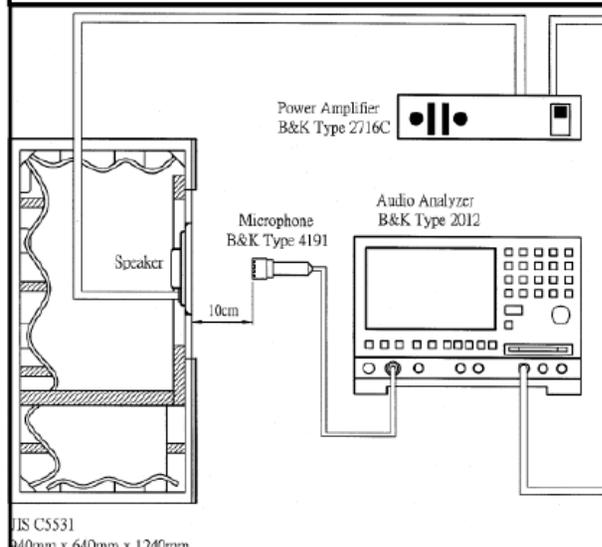
### Packaging Information



### Temperature Cycle Test Graph



### Frequency Response Measurement Setup



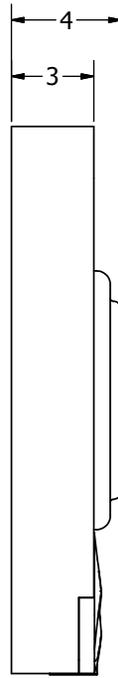
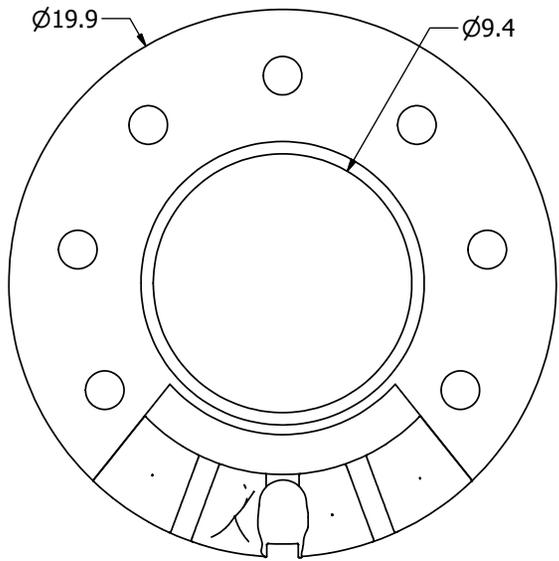
# SPECIFICATIONS

PARAMETERS	VALUES	UNITS
RATED INPUT POWER	0.08	W
MAX INPUT POWER	0.2	W
IMPEDANCE	8 ± 15%	OHM
OUTPUT SPL @ 0.08W/0.1M (AT 1.0, 1.2, 1.5, 2.0 kHz)	86 ± 3	dBA
DISTORTION (MAX.)	5%	-
RESONANT FREQUENCY	750 ± 20%	Hz
FREQUENCY RANGE	750 ~ 5,000	Hz
HOUSING MATERIAL	ABS	-
CONE MATERIAL	SILVER POLYESTER	-
MAGNET MATERIAL	Nd-Fe-B	-
OPERATING TEMPERATURE	-20 ~ +55	°C
WEIGHT	2.3	grams

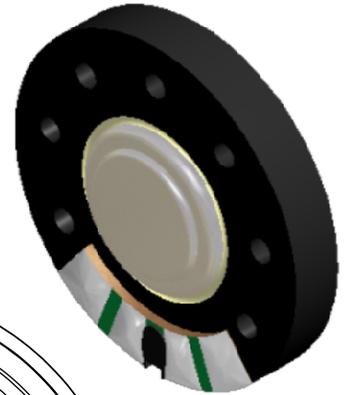
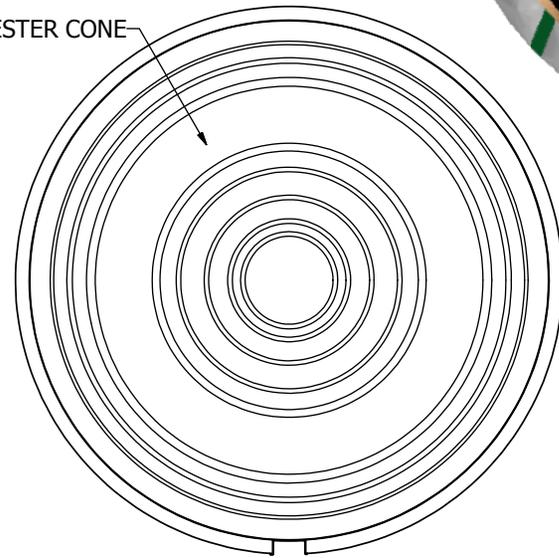
THIS DOCUMENT CONTAINS DATA PROPRIETARY TO PROJECTS UNLIMITED, INC. ANY USE OR REPRODUCTION, IN ANY FORM, WITHOUT PRIOR WRITTEN PERMISSION OF PROJECTS UNLIMITED, INC. IS PROHIBITED.  
©2003, Projects Unlimited Inc.

# REVISION HISTORY

LTR	DESCRIPTION	DATE	APPROVED
-	RELEASED FROM ENGINEERING	9/21/2005	
A	ADDED ROHS NOTE #3	11/02/2005	B.R.
B	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	10/15/2008	B.R.



SILVER POLYESTER CONE



## NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS.
2. SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWAL WITHOUT NOTICE.
3. THIS PART IS RoHS 2002/95/EC COMPLIANT.

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS, TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.	SIZE <b>A3</b>	Designed by	Date	Checked by	Date	Approved by	Date	Drawn Date	
		J.A.F.	9/21/2005	B.R.	9/21/2005	E.P.	9/21/2005	10/15/2008	
ADS02008MR-R.idw		 <b>pui audio</b> a projects unlimited company				<b>ADS02008MR-R</b> Speaker		Edition -	Sheet 1 / 1

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Speakers & Transducers](#) category:*

*Click to view products by [PUI Audio](#) manufacturer:*

Other Similar products are found below :

[FC-30814-P127](#) [AS02832MR-2-R](#) [PB-1220PE](#) [PB-2015PQ](#) [900-00001](#) [AB2025B-LW50-R](#) [SWFK-31736-000](#) [PT-2065FW](#) [PT-4175W](#) [AT-2830-TW-LW35-R](#) [ED-30761-000](#) [CI-30120-A42](#) [SMT-0440-T-2-R](#) [PB-0927PQ](#) [BF-7083-000](#) [BF-9778-000](#) [MBS 3000-1811-A1AB08-0](#) [SMS2020-08H4.5 LF](#) [BDT1717-08H6.5W56MLF](#) [02094](#) [02097](#) [GSPK1003PN-8R0.2W-L100](#) [GSPK151103TN-8R0.2W](#) [GSPK2014035PN-8R0.5W-L100](#) [FS5353DS0830-H19.3](#) [TE082703-8](#) [XMLP040BD21F](#) [AS03608MR-LW100-R](#) [24520](#) [SMT-0540-S-2-R](#) [1450069](#) [9091653](#) [9091661](#) [IPS-G6000-5](#) [9090231](#) [FS4014-4-2W](#) [PBM4-13.B31R.A115.0663](#) [PBM4-13.B33R.A115.0663](#) [PBM4-13.B35R.A115.0663](#) [A-10-6-BG360-HD1Z-GA-M4Z-ZW](#) [A-10-6-BG410-HD1Z-AA-AGZ-ZW](#) [A-10-6-BG410-HD1Z-AA-M4Z-ZW](#) [A-10-6-BG410-HD1Z-FC-AGZ-ZW](#) [A-10-6-BG410-HD1Z-GA-M4Z-ZW](#) [A-10-6-BG310-HD1Z-AA-AGZ-ZW](#) [A-10-6-BG310-HD1Z-AA-M4Z-ZW](#) [A-10-6-BG310-HD1Z-GA-M4Z-ZW](#) [A-10-6-BG316-HD1Z-AA-AGZ-ZW](#) [A-10-6-BG316-HD1Z-AA-M4Z-ZW](#) [A-10-6-BG325-HD1Z-AA-AGZ-ZW](#)