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AS01508MR! * -R 15mm Speaker

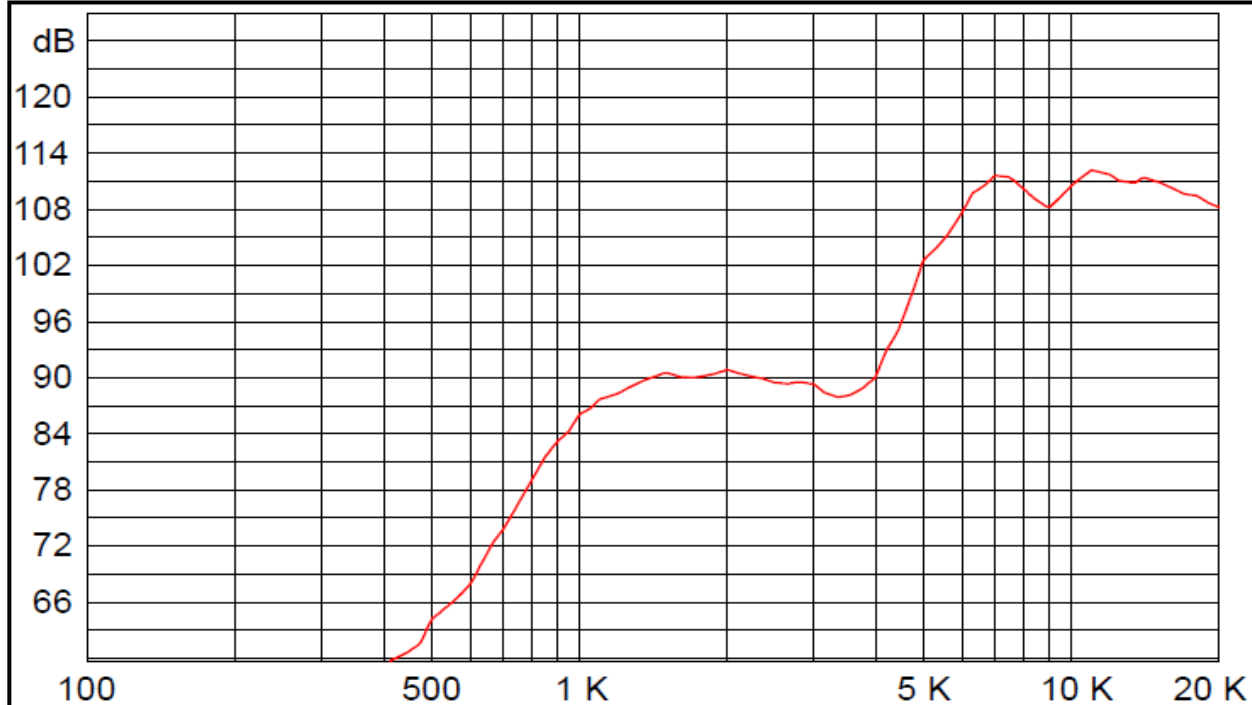


3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

- 15mm overall diameter speaker with Neodymium magnet for 88 dB sensitivity
- 1.2W continuous, 1.8W maximum power handling and 8Ω impedance
- Mylar cone, integrated grill screen, and pre-applied double-sided tape for quick mounting

Frequency Response (0.1W @ 0.1 meter)



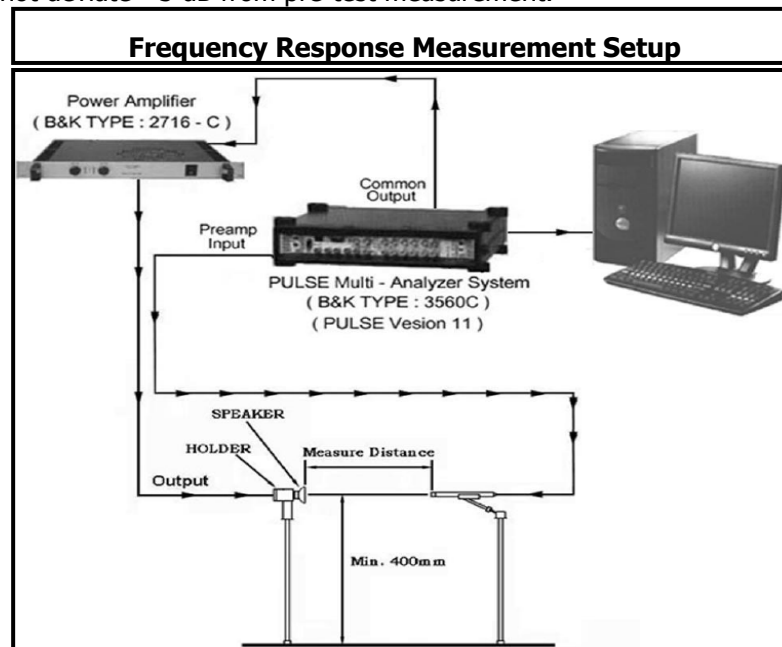
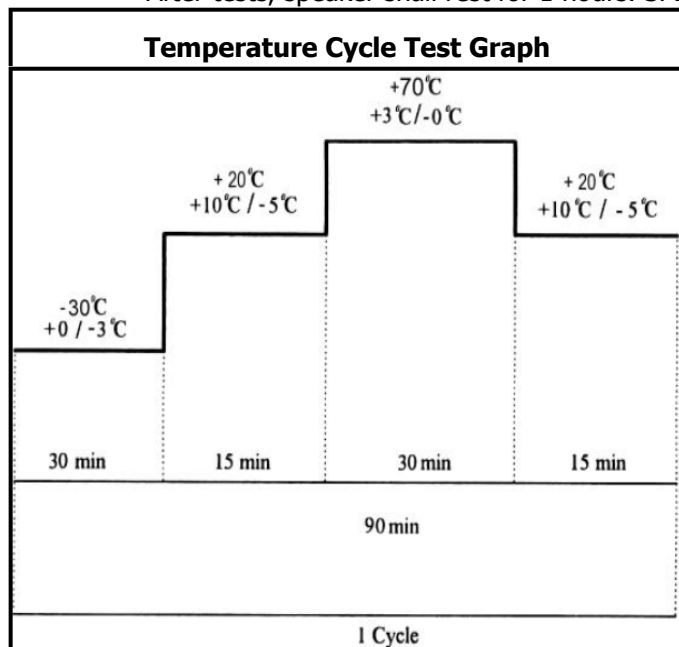


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AS01508MR-6-R 15mm Speaker

| Mechanical and Environment Testing | |
|------------------------------------|---|
| Test Description | Test Condition |
| High Temperature | 85°C with random humidity for 96 hours |
| Low Temperature | -40°C with random humidity for 96 hours |
| Humidity | 40°C ±2°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 5 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 +3 dB from pre-test measurement



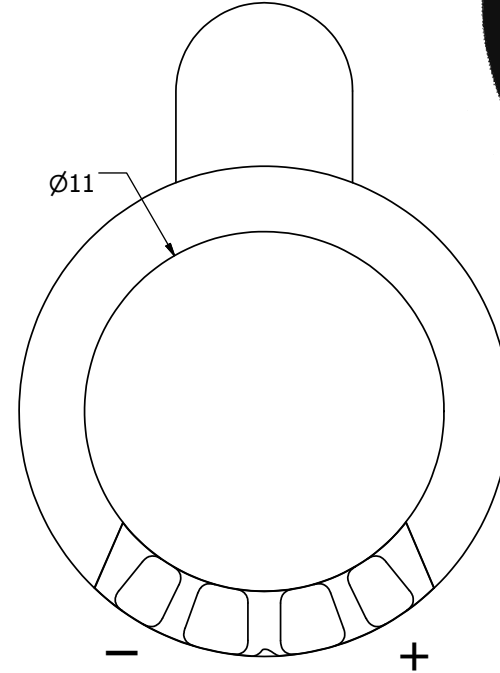
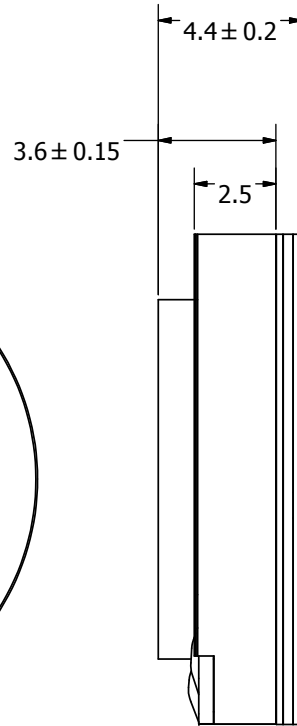
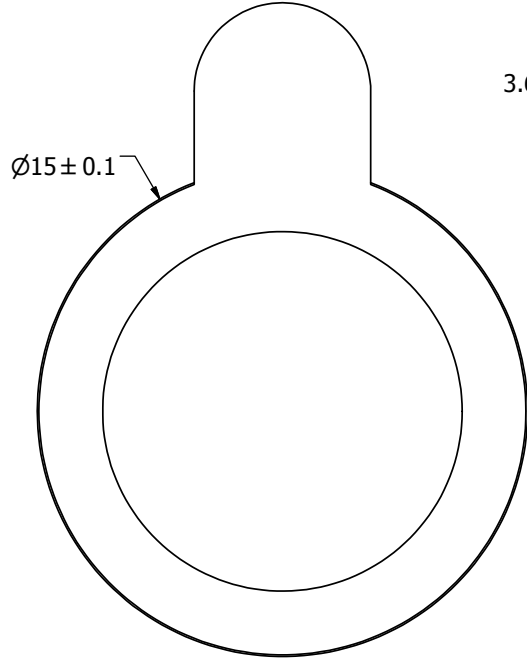
SPECIFICATIONS

| PARAMETERS | VALUES | UNITS |
|---|--------------|-------|
| RATED INPUT POWER | 1.2 | W |
| MAX INPUT POWER | 1.8 | W |
| IMPEDANCE | 8 ± 15% | OHM |
| OUTPUT SPL @ 0.1W/0.1M (AT 0.8, 1.0, 1.2, 1.5, 2.0 kHz) | 88 ± 3 | dBA |
| DISTORTION (MAX.) | 10% | - |
| RESONANT FREQUENCY | 900 ± 20% | Hz |
| FREQUENCY RANGE | 900 ~ 12,000 | Hz |
| HOUSING MATERIAL | ABS | - |
| CONE MATERIAL | MYLAR | - |
| MAGNET MATERIAL | Nd-Fe-B | - |
| OPERATING TEMPERATURE | -30 ~ +70 | °C |
| WEIGHT | 1.5 | grams |

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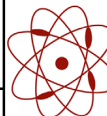
REVISION HISTORY

| LTR | DESCRIPTION | DATE | APPROVED |
|-----|--|------------|----------|
| - | RELEASED FROM ENGINEERING | 12/31/2007 | |
| A | REVISED HEIGHT DIMENSIONS | 2/05/2009 | B.R. |
| B | REVISED TO INVENTOR 3-D DRAWING TEMPLATE | 2/06/2009 | B.R. |



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 | Designed by | Date | Checked by | Date | Approved by | Date | Drawn Date |
| | A3 | J.D. | 9/5/2006 | B.R. | 9/5/2006 | R.W. | 9/5/2006 | 2/6/2009 |
| | | AS01508MR-6-R | | | | | | |
| AS01508MR-R.idw |  pui audio a projects unlimited company | | Speaker | | | Edition | Sheet | |
| | | | | | | - | 1 / 1 | |