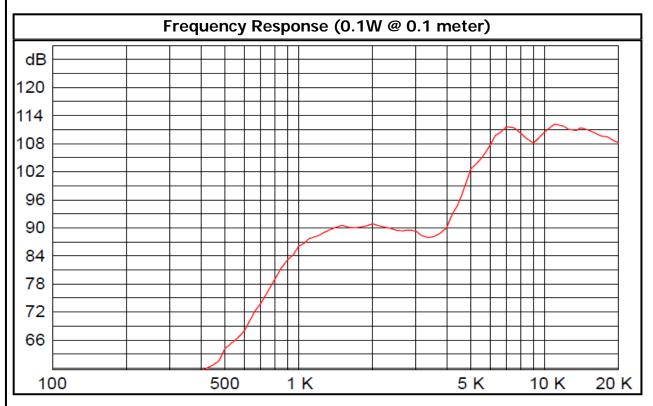


## AS01508MR-R 15mm Speaker

3541 Stop Eight Road • Dayton, Ohio 45414



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

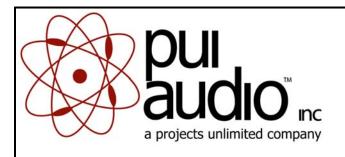






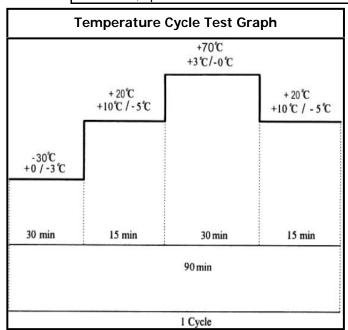


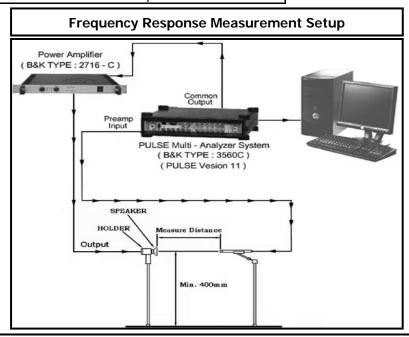




## AS01508MR-R 15mm Speaker

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.					



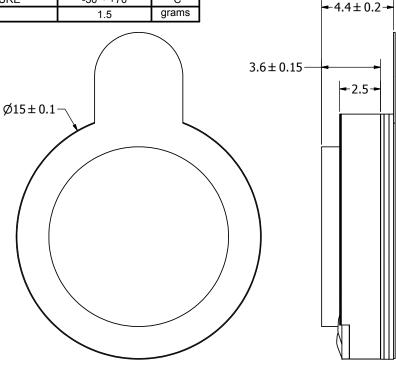


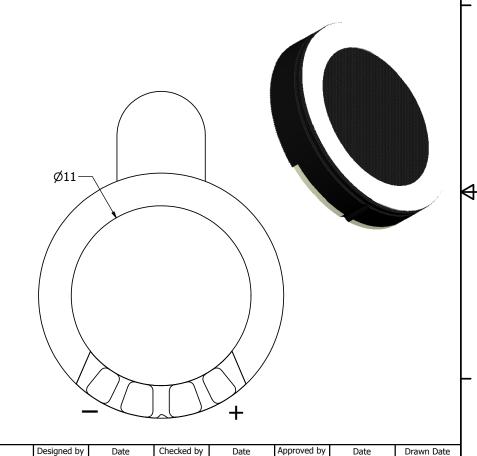
**SPECIFICATIONS PARAMETERS VALUES UNITS** RATED INPUT POWER 1.2 W MAX INPUT POWER 1.8 W IMPEDANCE 8 ± 15% ОНМ OUTPUT SPL @ 0.1W/0.1M  $88 \pm 3$ dBA 0.8, 1.0, 1.2, 1.5, 2.0 kHz) DISTORTION (MAX.) 10% RESONANT FREQUENCY 900 ± 20% Hz 900 ~ 12,000 FREQUENCY RANGE Hz HOUSING MATERIAL ABS **CONE MATERIAL**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

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REVISION HISTORY							
LTR	DESCRIPTION	DATE	APPROVED				
-	RELEASED FROM ENGINEERING	12/31/2007					
Α	REVISED HEIGHT DIMENSIONS	2/05/2009	B.R.				
В	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 WITHDRAWL WITHOUT NOTICE.
- 3. THIS PART IS RoHS 2002/95/EC COMPLIANT.

UNLESS OTHERWISE

DIMENSIONS ARE IN MILLIMETERS,

TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.

SIZE

AS01508MR-R.idw

$\sim$						
.D.	9/5/2006	B.R.	9/5/2006	R.W.	9/5/2006	2/6/2009
ned by	Date	Checked by	Date	Approved by	Date	Drawn Date

AS01508MR-R Sheet Speaker 1/1