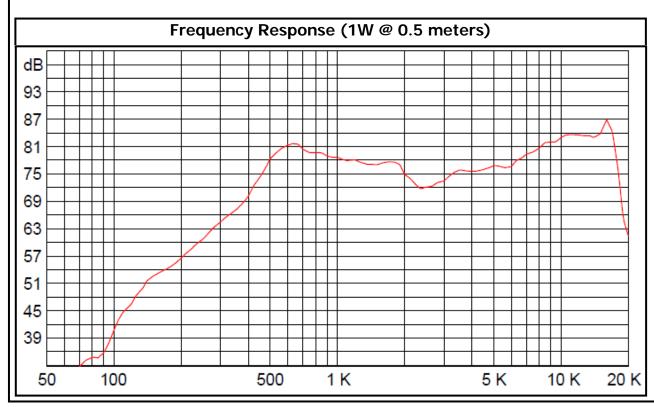


AS04004PO-2-WR-R 40 x 28.5mm Water Resistant Speaker

3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

- 40 x 28.5mm oval speaker with Neodymium magnet for 82 dB sensitivity
- ullet 3W continuous, 4W maximum power handling and 4 Ω impedance
- Proprietary water resistant cone with natural sounding frequency response











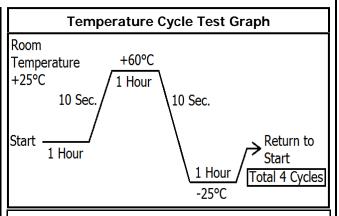


AS04004PO-2-WR-R 40 x 28.5mm Water Resistant Speaker

Mechanical and Environment Testing			
Test Description	Test Condition		
High Temperature	60°C ±2°C with random humidity for 96 hours		
Low Temperature	-25°C ±2°C with random humidity for 96 hour		
Humidity	40°C with 90% to 95% relative humidity for 96 hours		
Vibration	1.5 mm movement modulated at 10 to 55 Hz fo hours		
Drop Test	75 cm free fall onto concrete floor, 10 cycles		
Temperature Cycle Test	-25°C to 60°C, 4 cycles (refer to Temperature Cycle Test Graph)		

After tests, speaker shall rest for 1 hours. SPL shall not deviate ± 4 dB from pre-test measurement.

Testing Voltage Amplifier Audio Analyzer Measuring Distance B&K Type 2012 Anechoic Chamber 480x420x360 cm



Thiele-Small Parameters

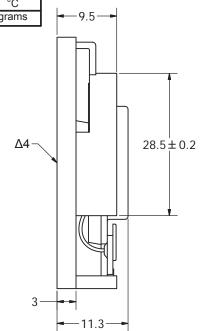
Specification	AS04004PO-2-WR-R	
Fo (Hz)	420	
Qes	4.509	
Qms	4.414	
Qts	2.231	
Vas (mm^3)	19.2k	
Sd (mm²)	599	
Mms (g)	0.309	
Xmax (mm)	0.6	
Re (ohm)	4.26	
SPL (dB) @ 1W/1m	82	
BL (T)	0.925	

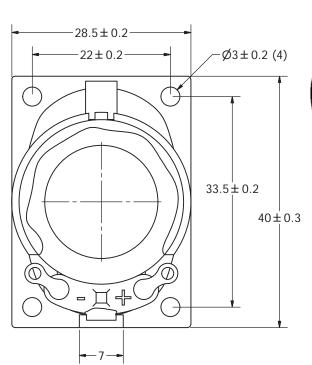
SPECIFICATIONS PARAMETERS VALUES UNITS RATED INPUT POWER W MAX INPUT POWER 4 W **IMPEDANCE** $4 \pm 15\%$ OHM OUTPUT SPL @ 1W/1M 82 ± 3 dBA (AT 1.0, 1.2, 1.5, 2.0 kHz) DISTORTION (MAX.) 5% RESONANT FREQUENCY 420 ± 20% Hz 200 ~ 20,000 FREQUENCY RANGE Hz HOUSING MATERIAL ABS **CONE MATERIAL** TREATED PAPER MAGNET MATERIAL RARE EARTH **OPERATING TEMPERATURE** -10 ~ +55 °C grams WEIGHT 11.9

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REVISION HISTORY						
LTR	DESCRIPTION	DATE	APPROVED			
-	RELEASED FROM ENGINEERING	12/7/2005				
Α	REVISED TO INVENTOR 3-D DRAWING TEMPLATE	6/27/2008	B.R.			
В	ADDED NOTE 5	8/11/2011	B.R.			







1. ALL DIMENSIONS ARE IN MILLIMETERS.

NOTES:

SPECIFICATIONS SUBJECT TO CHANGE OR WITHDRAWL WITHOUT NOTICE.

3. THIS PART IS RoHS 2002/95/EC COMPLIANT.

Δ4. CONE HAS BEEN TREATED FOR WATER RESISTANCE.

5. BASE SPEAKER PUI# ASO4004PO-2-R.

UNLESS OTHERWISE SPECIFIED:	
DIMENSIONS ARE IN MILLIMETERS,	SIZE
TOLERANCES ARE ±0.5 AND ANGLES ARE ±3°.	A3

AS04004PO-2-WR-R.idw

J.D.	12/6/2005	E	3.R
(A)	pul,		
	A Division of Projects Unit) mited	

Date

Designed by

Checked by

Date

AS04004PO-2-WR-R

Approved by

Speaker Edition Sheet

Date

Drawn Date