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## AS04008PO-2-R 40 x 28.3mm Speaker

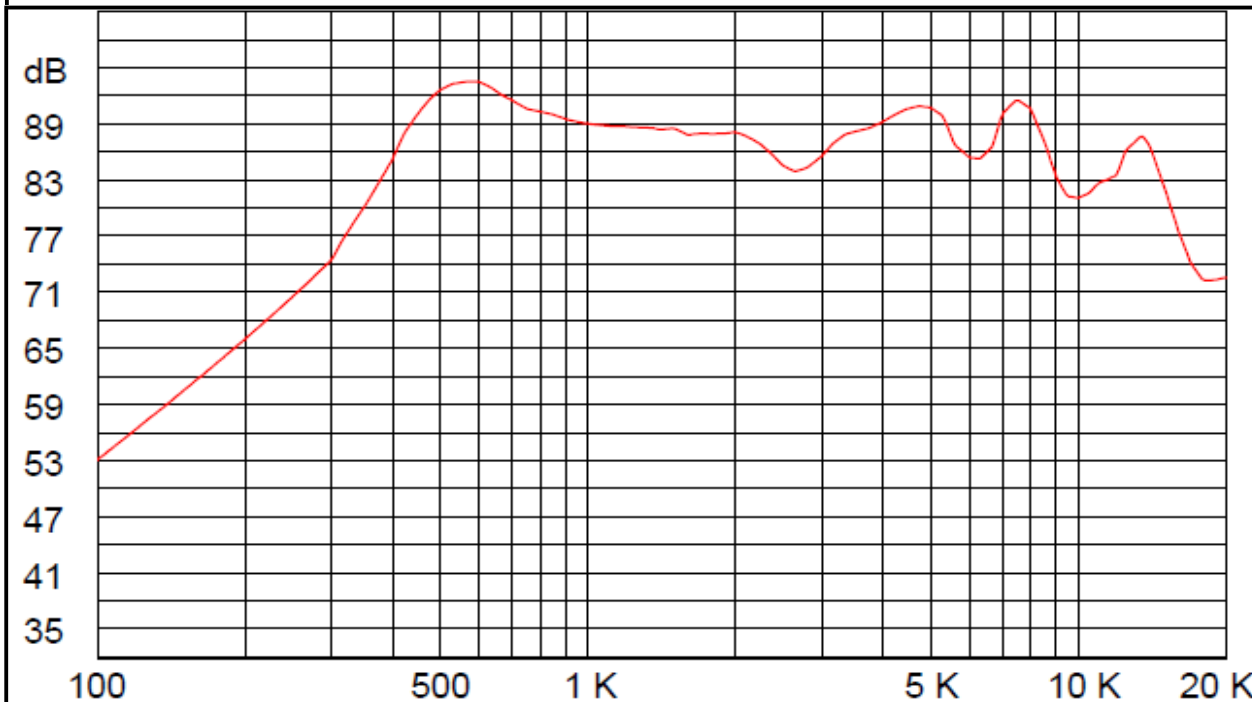


3541 Stop Eight Road • Dayton, Ohio 45414

### Product Overview

- 40 x 28.3mm oval speaker with Neodymium magnet for 84 dB sensitivity
- 2W continuous, 4W maximum power handling and 8Ω impedance
- Paper cone with cloth surround for smooth, natural sound

Frequency Response (1W @ 0.5 meters)



RoHS Compliant (Pb-free)



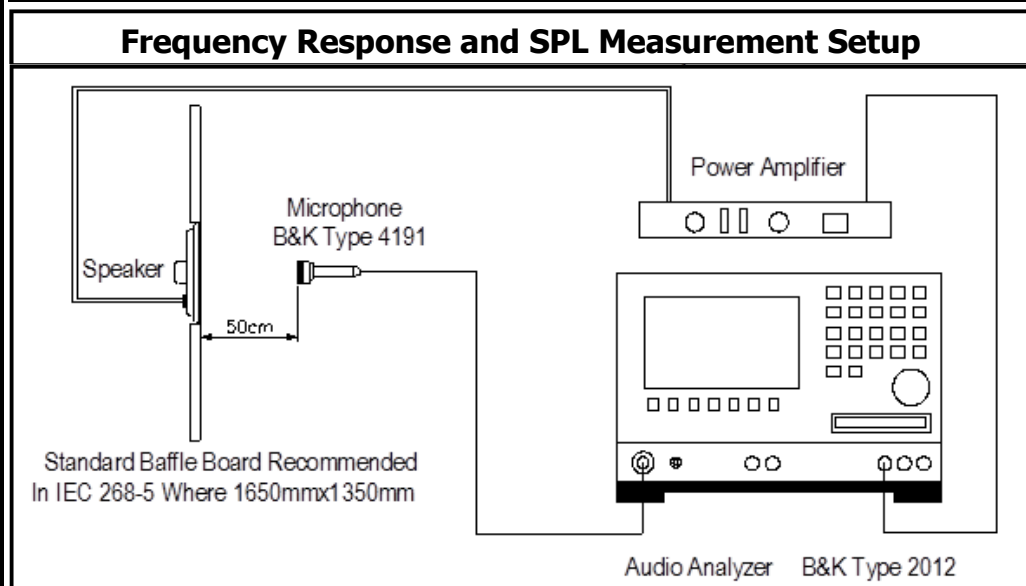
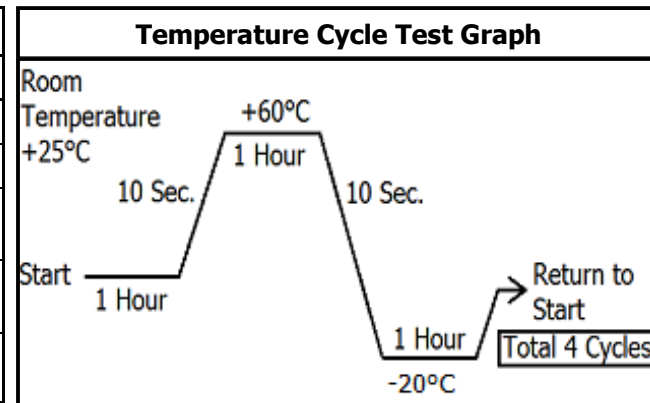


# AS04008PO-2-R

## 40 x 28.3mm Speaker

Mechanical and Environment Testing	
Test Description	Test Condition
High Temperature	60°C ±2°C with random humidity for 96 hours
Low Temperature	-20°C ±2°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	100 cm free fall onto 20mm thick board, 1 cycle in each direction on X, Y, and Z axis, 6 total
Temperature Cycle Test	-20°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.



**Material Listing**  
(All materials meet GU-001)

Part Name	Material
Frame	SPCC
Cloth cone	Cloth
Yoke	1.5T Steel
Dust cap	Paper
Voice coil	Paper
Magnet	NdFeB
Plate	2.0t Steel
PCB	Epoxy