

pui audio™ inc
a projects unlimited company

AS04004PR-R 40mm Speaker

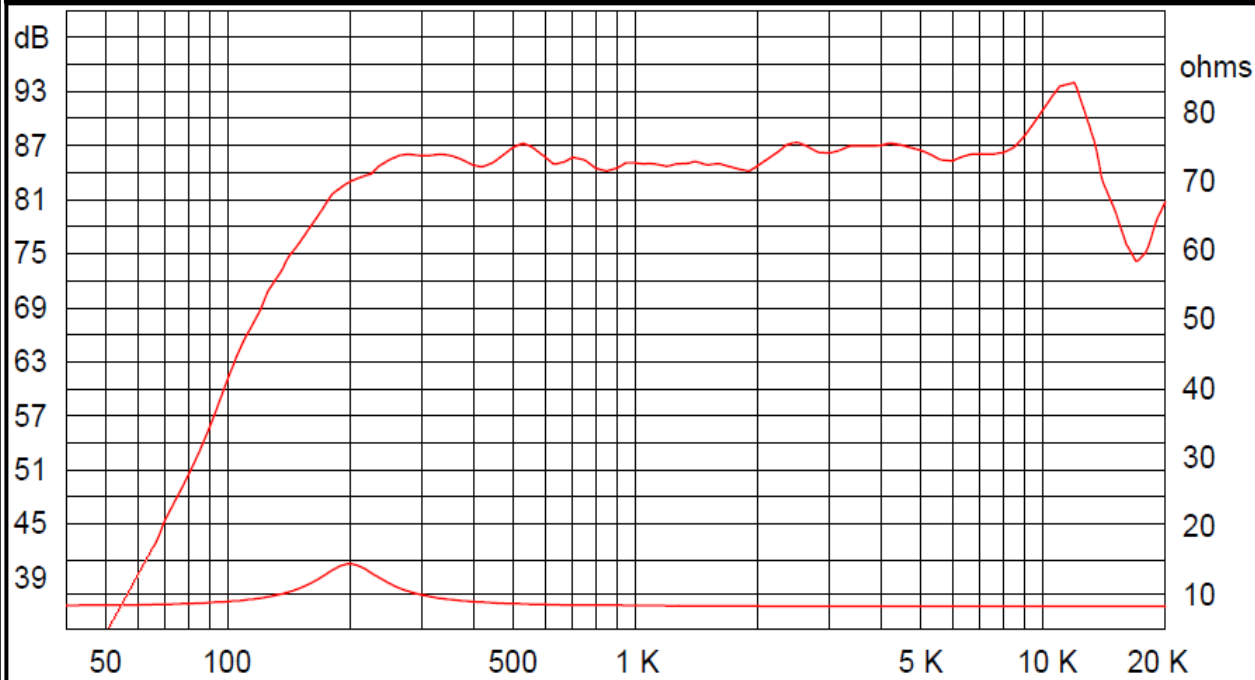


3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

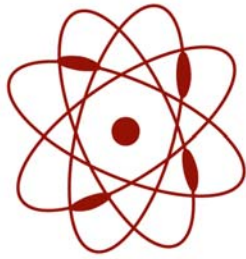
- 40mm diameter speaker with Neodymium magnet for 86 dB sensitivity
- 3W continuous, 4W maximum power handling and 4Ω impedance
- Rubber surround and treated paper cone for weather resistance

Frequency Response (1W @ 0.5 meters) and Impedance Graph



2011-01-01 to 2015-01-01





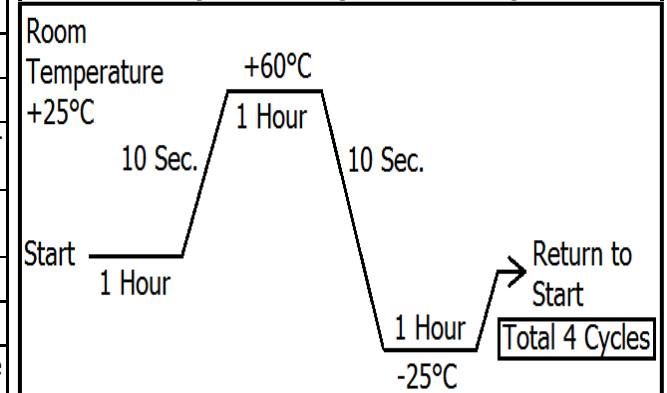
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Mechanical and Environment Testing

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 hours
Humidity	40°C (±2°C) with 90% to 95% relative humidity for 48 hours
Vibration	1.5 mm movement modulated at 30 Hz (±15 Hz) for 3 hours
Drop Test	75 cm free fall onto concrete floor, 10 cycles
After tests, speaker shall rest for 1 hour. SPL shall not deviate ±3 dB from pre-test measurement.	
Temperature Cycle Test	-25°C to 60°C, 4 cycles (refer to Temperature Cycle Test Graph)
After test, speaker shall rest for 1 hour. SPL shall not deviate ±3 dB from pre-test measurement.	

Temperature Cycle Test Graph



Thiele-Small Parameters

Specification	AS04004PR-R
Fo (Hz)	199
Qes	1.08
Qms	5.86
Qts	0.91
Vas (W²/Vd² L)	134
Sd (mm²)	922
Mms (mg)	900
Xmax (mm)	0.8
Re (ohm)	4.13
SPL (dB) 1W/1M	80.5
BL (T)	1.5

Frequency Response and SPL Measurement Setup

