

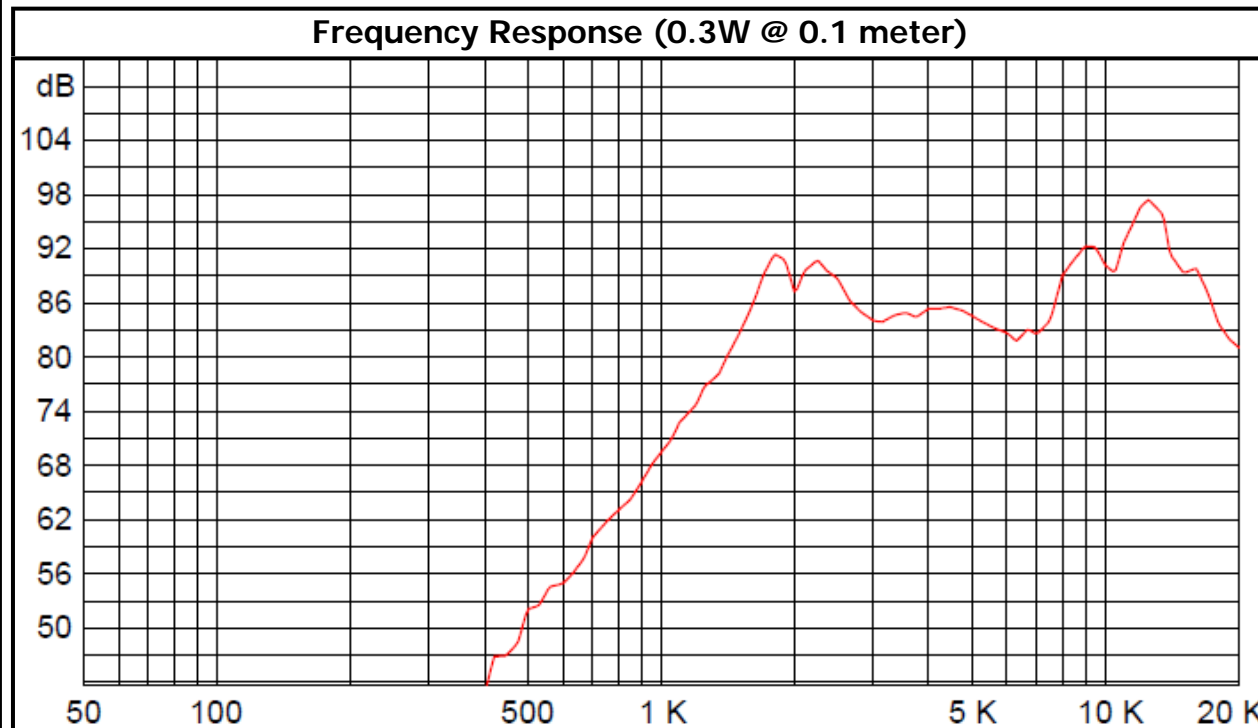
AST-01508MR-R 15mm Speaker

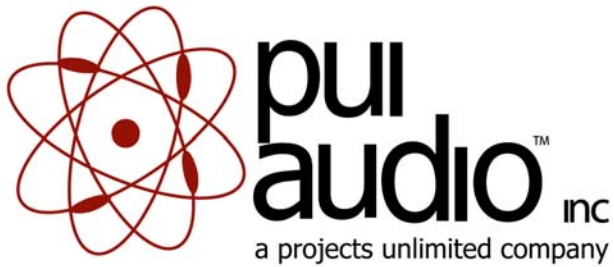


3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

- 15mm diameter speaker with Neodymium magnet for 87 dB sensitivity
- 0.3W continuous, 0.5W maximum power handling and 8Ω impedance
- Mylar cone for wide frequency response
- Thru hole design and wave solderable for PCB mount





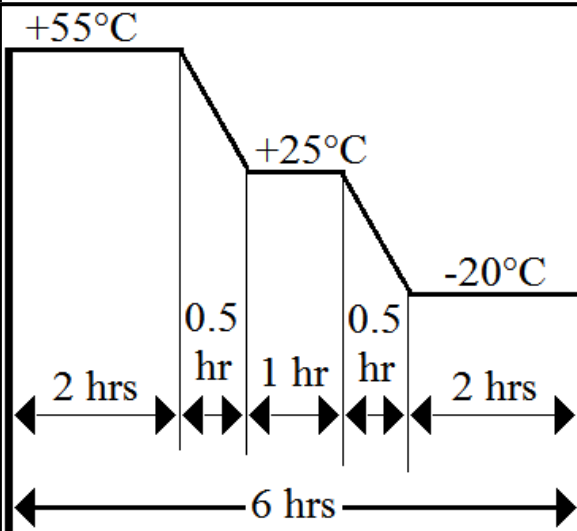
AST-01508MR-R 15mm Speaker

Mechanical and Environment Testing

Test Description	Test Condition
High Temperature	55°C with random humidity for 96 hours
Low Temperature	-20°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	75 cm free fall onto 40 mm thick board, 10 cycles
Temperature Cycle Test	-20°C to 55°C, 5 cycles (refer to Temperature Cycle Test Graph)

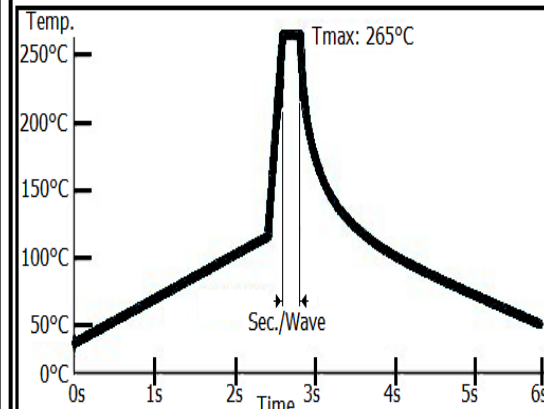
After tests, speaker shall rest for 1 hours. SPL shall not deviate ± 3 dB from pre-test measurement.

Temperature Cycle Test Graph

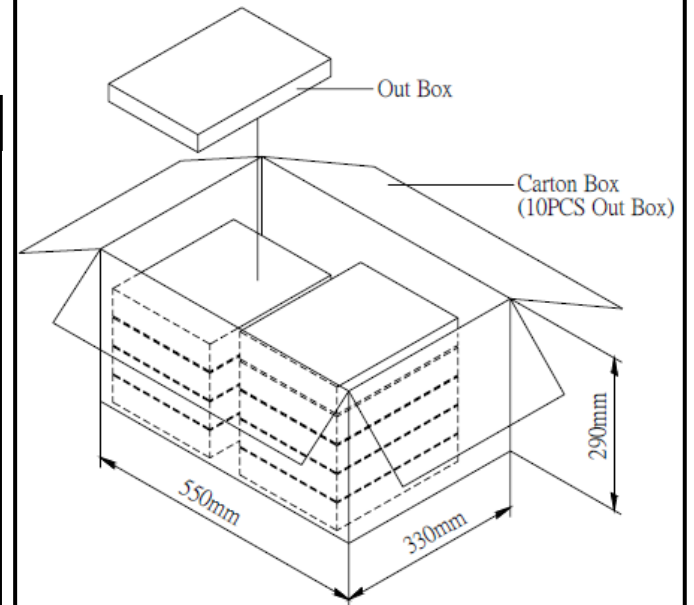
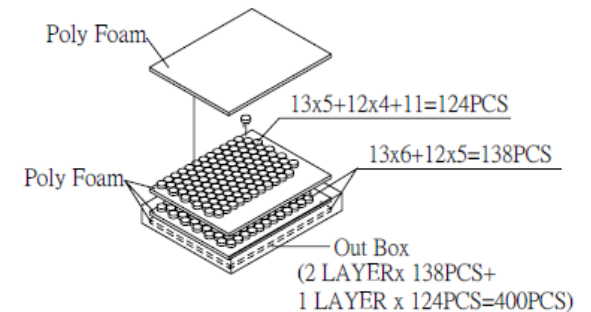


Wave Solder Profile

- Preheat temperature: Max 100° less than 80 seconds
- Soldering bath temperature 250°C (lead)/265°C (lead-free alloy)
- Wave soldering cycle time: 4 sec. (single wave), 6 sec. (dual wave)



Packaging Information



Out Box	310mmx248mmx49mm	1x400PCS=400PCS
Carton Box	550mmx330mmx290mm	400PCSx10=4,000PCS