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## AST-03032MR-R 30mm Speaker

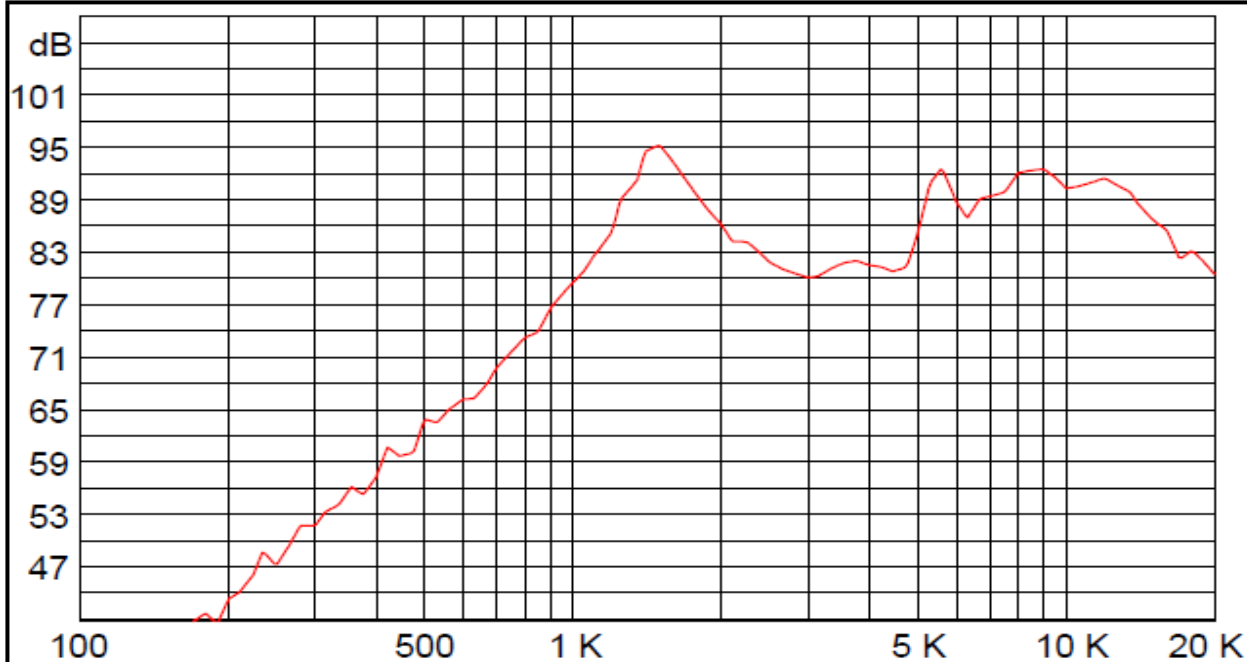


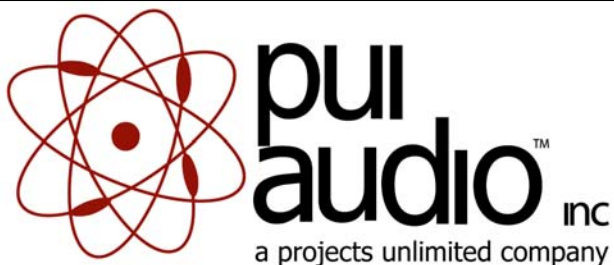
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### Product Overview

- 30mm diameter speaker with Neodymium magnet for 81 dB sensitivity
- 0.1W continuous, 0.2W maximum power handling and 32Ω impedance
- Mylar cone for wide frequency response
- Thru hole design and wave solderable for PCB mount

Frequency Response (0.1W @ 0.1 meter)





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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  $\pm 3$  dB from pre-test measurement.

