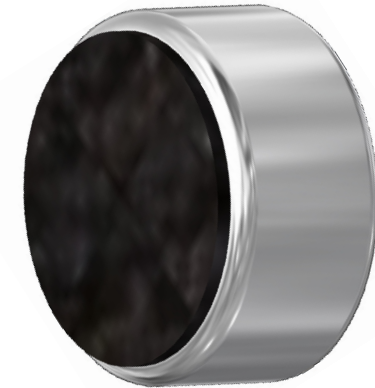


AOM-6738L-R Omni-Directional Microphone

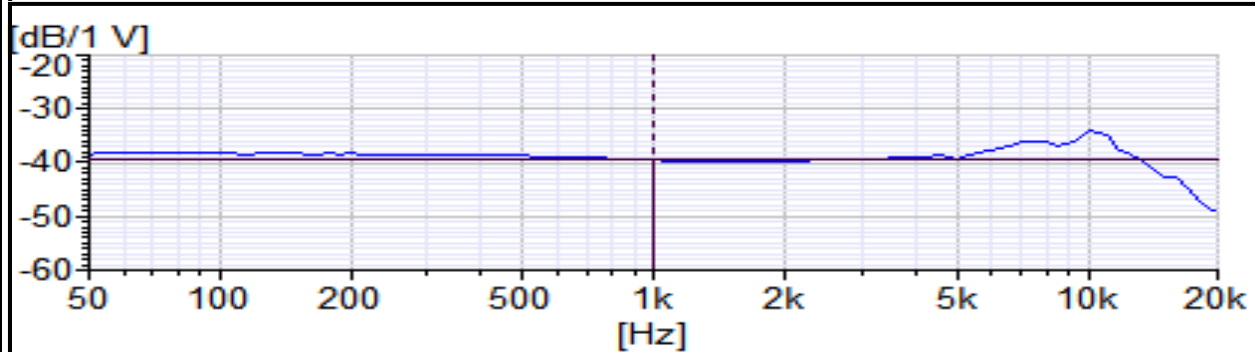


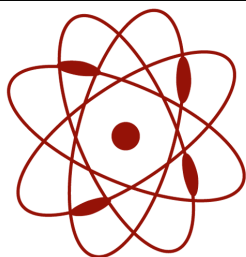
3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

- 9.7mm overall diameter and 6.7mm height with solder pads
- -38 dB sensitivity for use in most environments
- Wide 1.5 to 10 VDC operating voltage and 50-16,000 Hz frequency response
- >60 dB signal-to-noise ratio and 2.2 kOhm impedance
- Omni-directional polar pattern for great off-axis response

Typical Frequency Response and Sensitivity





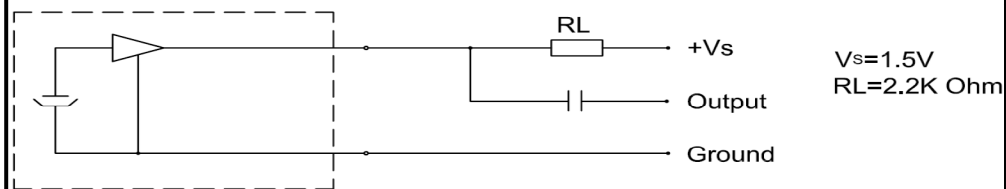
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AOM-6738L-R

Omni-Directional Microphone

Mechanical and Environment Testing	
Test Description	Test Condition
High Temperature	70°C with random humidity for 200 hours
Low Temperature	-25°C with random humidity for 200 hours
Humidity	40°C with 90% relative humidity for 200 hours
Vibration	3 mm movement for 3 minutes in each of 3 axis
Drop Test	70 cm free fall onto 20 mm thick board, two directions
Temperature Cycle Test	-10°C to 50°C, 5 cycles

Recommended Drive Circuit



Microphone Polar Response Plot

