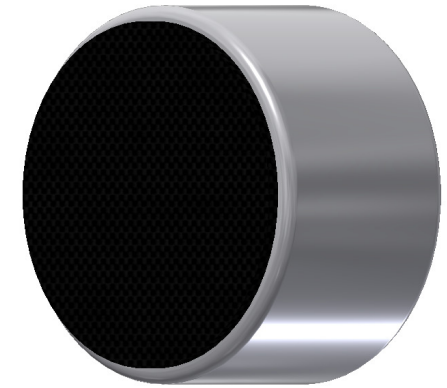




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## POM-3042L-R Omni-Directional Microphone

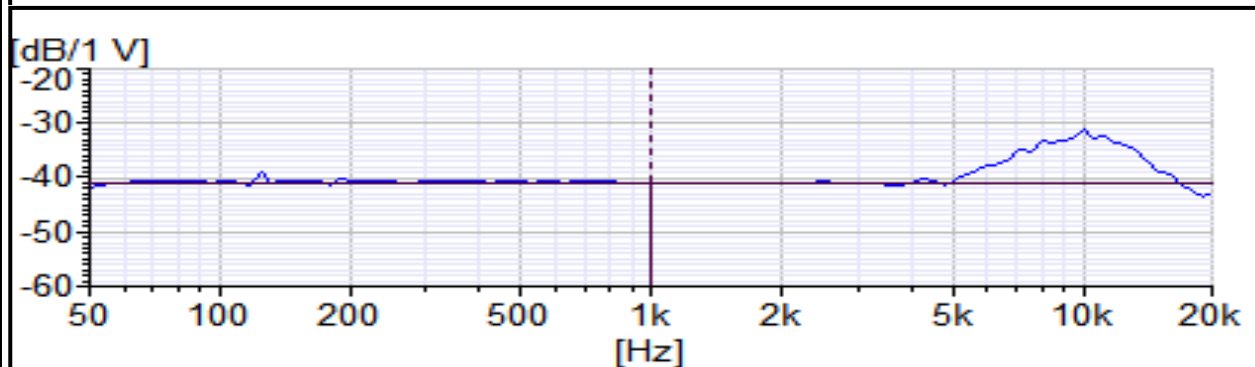


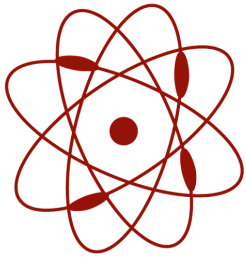
3541 Stop Eight Road • Dayton, Ohio 45414

### Product Overview

- 6mm overall diameter and 3mm height with solder pads
- -42 dB sensitivity for picking up low level sound
- Wide 2 to 10 VDC operating voltage and 50-16,000 Hz frequency response
- >68 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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# POM-3042L-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

