

# PUI Audio Wide-Band MEMS Microphones

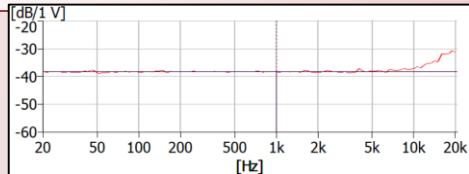


Ultra-wide frequency response,  
matched to  $\pm 1$  dB tolerance!

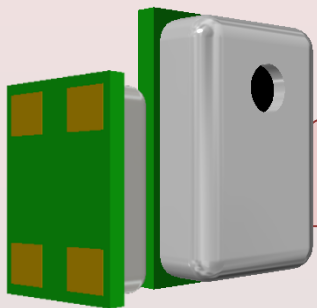
PUI Audio is proud to release a line of premium, high-fidelity **MEMS microphones** that cover the entire audio band from 20 Hz up to 18 kHz —and up to 20 kHz on some models—while featuring industry-best unit-to-unit consistency  $\pm 1$  dB across the entire frequency response.

## Analog MEMS Microphones

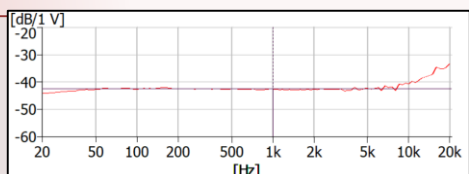
The bottom-port [AMM-2738-B-R](#) features a super-small 2.75 x 1.85mm footprint, while standing only 0.9mm tall, for wearables and a 20 Hz to 20 kHz response.



Frequency Response

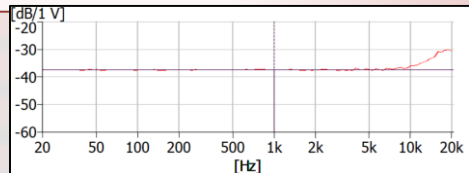
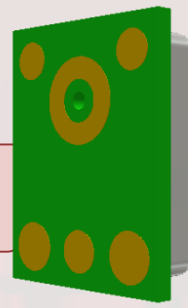


The top-port [AMM-2742-T-R](#) also features a 2.75 x 1.85mm footprint, while standing only 0.9mm tall and a 20 Hz to 20 kHz frequency response.

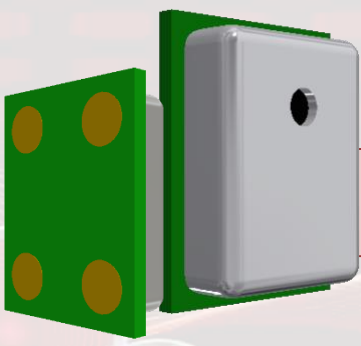


Frequency Response

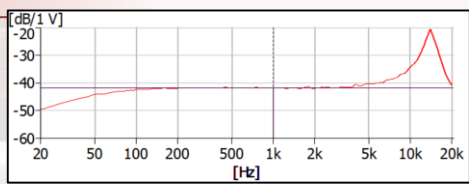
Choose the ultra-linear [AMM-3738-B-R](#) to capture sound the way it's felt and heard from 20 Hz up to 10 kHz. A rising response to 20 kHz can also sense glass breaking.



Frequency Response



For automotive applications, the [AMM-3742-T-R](#) has a dip in frequency response below 100 Hz for reduced wind and road noise.



Frequency Response

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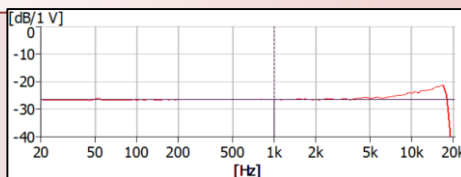
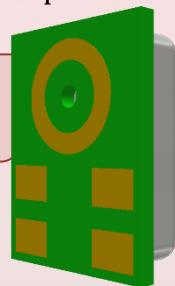


Ultra-wide frequency response,  
matched to  $\pm 1$  dB tolerance!

## Digital MEMS Microphones

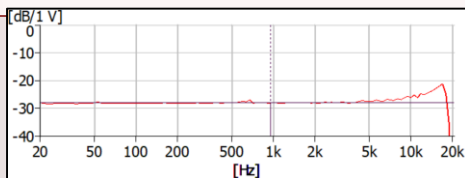
PUI Audio's digital MEMS microphones are purpose-built for cloud-connected and battery-powered devices, with Sleep, Low Power, and Full Power modes for limiting current drain. Each microphone can be configured for left or right channel operation—ideal for stereo recording!

The bottom-port [DMM-3526-B-R](#) digital microphone with PDM output features great sensitivity ( $-26$  dB) in a small  $3.5 \times 2.65 \times 0.98$ mm package.



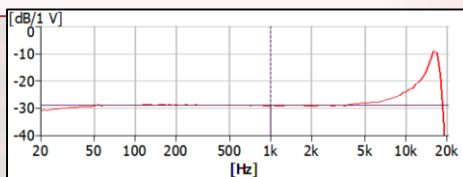
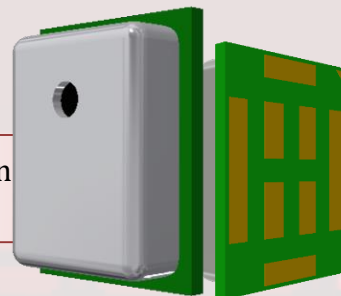
Frequency Response

Choose the bottom-port [DMM-4026-B-R](#) for completely flat frequency response down to 20 Hz in a  $4 \times 3 \times 1$ mm form factor.



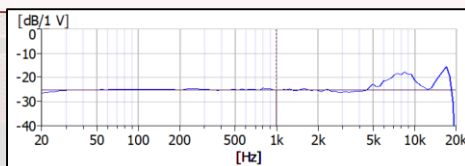
Frequency Response

The top-port [DMM-4326-T-R](#) allows for easy MEMS microphone integration into a product without the need for an acoustic hole in the PCBA.



Frequency Response

For applications using I<sup>2</sup>S machine language, choose the [DMM-4026-B-I2S-R](#). The I<sup>2</sup>S digital output makes microphone array integration a breeze!



Frequency Response