



PUI audio
WHEN IT NEEDS TO BE HEARD



OUR FOCUS

Being in the audio business since 1972 has its rewards, and we measure those rewards in satisfied customers. Having a solid reputation as being the premier audio component supplier in the industry, our focus is to provide you with total sound solutions. Through exceptional products and unlimited service, we intend on delivering.



OUR CAPABILITIES

With our turn-key engineering and on-site production support, we can help with your most demanding audio applications. Our full range of design and testing equipment includes an on-site anechoic sound chamber, full functional and HASS environmental test equipment, 3D printers, as well as microscopes and X-Ray equipment. These tools provide us with a unique position in the industry to help you create your next masterpiece.

OUR QUALITY

We are ISO 9001:2008 and QS-9000 certified. Every product is 100% Inspected. Utilizing our anechoic sound chamber and state of the art B&K SoundCheck™ test system, instant test results ensure every product we ship meets exacting specifications. A complete test history for each product is maintained and archived.



OUR SUPPORT

Having dedicated account management and localized support personnel, we are here to help optimize every detail of your audio project. With turn-key engineering capabilities as well as application design support and on-site production assistance, we can deliver exceptional results



FOR EVERY AUDIO NEED

WE HAVE A SOUND SOLUTION

OUR STANDARD

Our Standard products are ready to be shipped whenever you need them. These stocked items have been fully tested and are ready for use

CUSTOM ORDER

If your project is unique and you're struggling to find just the right sound, we can help. New and inspired ideas help spark our creativity too, and when it comes to audio, we specialize in working on custom projects. Getting started is easy - just give us a call or email!

SPECIAL ORDER

These products are made from the same quality materials as our Standard line and offer the same features, but are slightly different. Whether you're looking for lead wires, a different termination, heat shrinking, flex circuits, etc., you'll find that PUI Audio can provide just what you need.

OUR PORTFOLIO

We understand that not every design is simple or easy. That's why we offer different levels of customization and engineering support to help you throughout the process. Whether the answer is as simple as a modified termination or as complex as a chamber/enclosure design specific to your application; we have your total sound solution. A slight variation in a component can make all the difference in optimizing the user experience. When you need a standard audio product, we've got it, or we can give you choices. When you want to get really innovative and create that dynamic, set-your-product-apart sound, we have the expertise to support you!

puiaudio.com

For customized products, call or email us
937.415.5901 - audio@puiaudio.com



CUSTOMIZE OUT OF THE BOX SOLUTIONS

WHY CUSTOMIZE

Every project is different, and when a standard off-the-shelf solution doesn't quite give the results you've been looking for, PUI Audio is here to help create a solution that fits your exact need. Form, Fit, and Function are primary reasons to consider a customized product, and incorporating a unique audio profile in your product can help establish a distinct differentiation in the marketplace.

Benefits of which include:

- Brand Recognition
- New or Exclusive features
- A Unique Sound
- Improved Perception of Quality
- Enhanced User Experience
- Sound Optimization

HOW TO CUSTOMIZE

Regardless of the application, we'll help you develop the solution. And getting started is simple – just give us a call or send us an email. One of our technical experts will help find the perfect sound solution for you. Here are a few basic specifications we'll work with you to define:

- Sound Characteristics
- Dimensional Specifications
- Termination Preferences
- Mounting Options
- Power Requirements
- Use Conditions

FOR MORE GREAT
AUDIO PRODUCTS, GO TO
puiaudio.com

SPEAKERS FULL RANGE AUDIO OUTPUT



SMS-1308MS-2-R
4 H x 13 W x 13 L

Frequency range:
0.40-20kHz

Max input: 1 W
Rated input: 0.7 W



AST-03208MR-R
15.1 H x 31.9 W x 31.9 L

Frequency range:
0.50-20kHz

Max input: 0.2 W
Rated input: 0.1 W



AS05008MS-R
12 H x 50.5 W x 50.5 L

Frequency range:
0.80-7.0kHz

Max input: 3 W
Rated input: 1.5 W



AS04004PR-R
17.5 H x 40 W x 40 L

Frequency range:
0.1-20kHz

Max input: 4 W
Rated input: 3 W



AS07108PO-WR-R*
25 H x 41 W x 71 L

Frequency range:
0.1-20kHz

Max input: 5 W
Rated input: 3 W



AS06608PS-WR-R*
29 H x 66.3 W x 66.3 L

Frequency range:
0.23-12kHz

Max input: 5 W
Rated input: 4 W

**WATER RESISTANT*

INDICATORS INTERNALLY DRIVEN DEVICES EMITTING A SINGLE TONE



AI-1440-TWT-12V-R
7.5 H x 13.8 W x 13.8 L

Frequency:
4,000 ± 500Hz

Voltage range:
3 – 16 VDC



AI-1223-TWT-5V-R
9.5 H x 12 W x 12 L

Frequency:
2,300 ± 300Hz

Voltage range:
3 – 7 VDC



AI-4228-TWT-R
14 H x 42 W x 42 L

Frequency:
2,800 ± 500Hz

Voltage range:
3 – 28 VDC



SMI-1324-TW-5V-3-R
7.5 H x 12.8 W x 12.8 L

Frequency:
2,400 ± 500Hz

Voltage range:
3 – 7 VDC



AI-2438-TT-R
17.2 H x 24 W x 24 L

Frequency:
3,800 ± 500Hz

Voltage range:
8 – 18 VDC



AI-4329-P-SP28-R
33 H x 43 W x 43 L

Frequency:
2,900 ± 500Hz

Voltage range:
4 – 28 VDC

TRANSDUCERS EXTERNALLY DRIVEN DEVICES CAPABLE OF EMITTING MULTIPLE TONES/FREQUENCIES



AT-1438-TWT-R
6.8 H x 13.8 W x 13.8 L

Frequency:
3,800 ± 500Hz

Voltage range:
1 – 20 Vp-p



AT-1220-TT-5-R
5.5 H x 12 W x 12 L

Frequency:
2,048 ± 100Hz

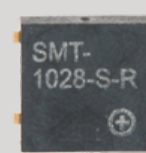
Voltage range:
1 – 3 Vp-p



AT-5210-TT-R
15.4 H x 54.6 W x 54.6 L

Frequency:
1,000 ± 200Hz

Voltage range:
1 – 60 Vp-p



SMT-1028-S-R
3.5 H x 10 W x 10 L

Frequency:
2,830 ± 500Hz

Voltage range:
3 – 4.6 Vp-p



SMT-0540-T-7-R
2 H x 5 W x 5 L

Frequency:
4,000 ± 500Hz

Voltage range:
2 – 4 Vp-p



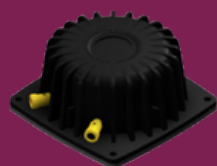
SMT-1141-T-3-R
1.65 H x 9 W x 11 L

Frequency:
4,100 ± 500Hz

Voltage range:
1 – 25 Vp-p

NOTE: ALL PRODUCT DIMENSIONS ARE MEASURED IN MILLIMETERS

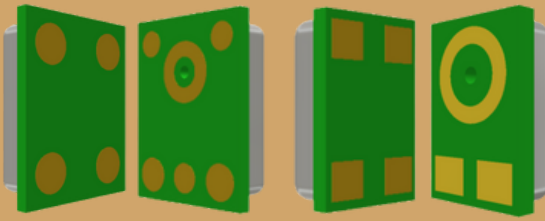
SILENT SUBWOOFER EXCITERS



ASX08604-SW-R | ASX11504-SW-R

PUI Audio's Silent Subwoofer eXciters, also referred to as tactile transducers, are purpose-built to recreate ultra-low frequencies all the way down to 5 Hz. They deliver bass, without much space, and with nearly none of the sound. Instead of using a cone or diaphragm to move air, the electro-mechanical motor is designed to directly couple to a surface (such as the frame of a chair or sofa) to transmit vibrational energy from the motor into the mounting surface, exciting deep tissue muscles (kinesthetic senses), skeletal nerve endings (haptic senses), and transmitting sound through bone conduction.

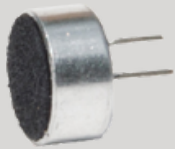
MEMS MICROPHONES



AMM-2738-B-R | AMM-2742-T-R
AMM-3738-B-R | AMM-3742-T-R

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 ± 1 dB across the entire frequency response. Options exist in both analog and digital options. 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

MICROPHONES



AOM-4544P-2-R
4.5 H x 9.7 W x 9.7 L

Directivity:
Omni-directional

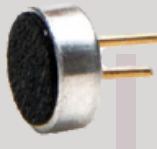
Sensitivity:
 -44 ± 2 dB



POM-3535L-3-R
3.5 H x 6 W x 6 L

Directivity:
Omni-directional

Sensitivity:
 -35 ± 4 dB



TOM-1545P-R
1.5 H x 4 W x 4 L

Directivity:
Omni-directional

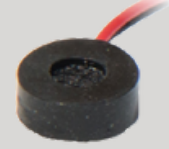
Sensitivity:
 -45 ± 3 dB



PNM-3546L-R
3.5 H x 6 W x 6 L

Directivity:
Noise canceling

Sensitivity:
 -46 ± 4 dB



POW-1644L-LWC50-B-R*
1.6 H x 6 W x 6 L

Directivity:
Omni-directional

Sensitivity:
 -44 ± 3 dB



POW-1644P-B-R*
1.6 H x 6 W x 6 L

Directivity:
Omni-directional

Sensitivity:
 -44 ± 3 dB

All Microphones are Electret Condenser Technology (ECM) *Water Proof (IP-57 Rated)

PIEZO BENDERS



AB2720B
Bender diameter: 27
Total thickness: 0.23

Resonant frequency:
2,000 \pm 500 Hz

Capacitance:
45,000 \pm 30% pF



AB2036AF
Bender diameter: 20
Total thickness: 0.21

Resonant frequency:
3,700 \pm 500 Hz

Capacitance:
20,000 \pm 30% pF



AB1541
Bender diameter: 15
Total thickness: 0.20

Resonant frequency:
4,100 \pm 500 Hz

Capacitance:
8,000 \pm 30% pF



AB2072S
Bender diameter: 20
Total thickness: 0.43

Resonant frequency:
7,200 \pm 300 Hz

Capacitance:
10,000 \pm 30% pF



AB1070B-LW100-R
Bender diameter: 9.9
Total thickness: 0.12

Resonant frequency:
7,000 \pm 600 Hz

Capacitance:
10,000 \pm 30% pF



APS4812B-LW100-R
Bender diameter: 50
Total thickness: 2.2

Resonant frequency:
1,200 \pm 200 Hz

Capacitance:
65,000 \pm 30% pF

NOTE: ALL PRODUCT DIMENSIONS ARE MEASURED IN MILLIMETERS

EXPERIENCE YOU CAN TRUST

Delivering quality audio products for more than 40 years has given PUI Audio the ability to gain in-depth knowledge and experience in countless markets. With a wide range of products and devices capable of producing the simplest beep to the most dynamic range output, our products are viable in any application. While the applications below encompass only a small variety of where our products are used, the possibilities are endless. Let PUI Audio help with your next project.

MEDICAL

Hospital

- Pumps
- Vital Signs Monitoring
- Diagnostic/Imaging
- Surgical Equipment
- Patient Entertainment

Non-Hospital

- Glucose/Insulin Meters
- Defibrillators
- Implantable Devices
- Lab Equipment

INDUSTRIAL

Construction Equipment

- Lifts Test & Measurement
- Gas Detection
- Voltage Meters
- Scales • Oscilloscopes
- Multimeters
- Thermometers

Elevators

Gas Pumps

Power Management

- Batteries
- UPS/Backup Systems
- GPS/Navigation Devices
- Cameras
- Phones

RETAIL SCANNERS & READERS

Barcode Scanners/Readers

POS/Transaction

- POS Printers
- Credit Card Terminals
- ATMs/Kiosks
- Registers

SECURITY & FIRE

Commercial/Home Security

- Retail Alarms
- Metal Detectors
- Glass Break Sensors
- Home Security Monitoring
- Intercoms
- System Panels
- Radar Detectors

Fire & Safety

- Smoke Detectors
- Fire Control
- Firefighter Monitoring

FOOD SERVICE EQUIPMENT

- Fryers
- Coffee Makers
- Vending Machines
- Beverage Machines

CONSUMER ELECTRONICS

Wearable Devices

Hand-Held Devices

Bluetooth & Wireless

Computer/Peripherals

- Printers
- Modems

White Goods

- Washers
- Dryers
- Small Appliances

Exercise Equipment

- Treadmills
- Elliptical Machines
- Exercise Bikes

OUR COMPANY

Founded in 1972, we strive to provide the world with the most comprehensive line of high-quality audio components and innovative custom solutions, by applying our unique design approach and world-class customer care. Strategic partnerships we have developed with Medical, Industrial, Security, and Consumer Electronics manufacturers for almost 50 years have placed our audio components into products you use every day. Globally, our team strives to meet the ever-changing demands of today's world through collaboration, a strong sense of urgency and accountability, and a passion for audio. See what we can do for you today!



audio@puiaudio.com

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