

Audio

Buzzers, Microphones & Speakers



SOUND SOLUTIONS FOR ANY DESIGN

A product's ability to accurately take-in and clearly output audio signals is a vital part of its design. To ensure that your product finds its proper voice, we have developed a diverse range of compact buzzers, microphones, and speakers that minimize footprints and maximize reliability, making them the ideal audio solution for almost any application.

ENGINEERING TOOLS



Parametric Search

With hundreds of buzzers, microphones, and speakers to choose from, utilize our online parametric search tool to quickly find and compare models based on your key specifications.



3D Models

CUI's library of ready-made 3D models helps to streamline the design process, saving you precious time and resources. Users are able to view and download 3D models in all major mechanical CAD formats free of charge.



SPL Calculators

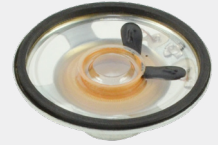
Use our buzzer and speaker SPL calculators to convert a buzzer or speaker's specified SPL to different real-world conditions, or to compare sound pressure levels between two devices with different specified parameters.

GLOBAL STOCK AVAILABILITY

Our network of global distribution partners provides you with quick and easy access to thousands of our audio products, ready to ship same day across the globe. This strong distribution presence provides our customers with peace of mind knowing that their project will be supported from prototype all the way to production by in-stock inventory and world-class supply chain programs.



AUDIO PRODUCT LINE



Buzzers

Audio Indicators & Transducers

- Piezo, magnetic & solid state technologies
- Available with & without driving circuit
- 1.7 ~ 37.5 mm depths
- 4 ~ 60.8 mm package sizes
- 65 ~ 104 dB sound pressure levels
- 3 ~ 220 Vdc rated voltages
- Numerous mounting styles
- 300 ~ 5,000 Hz rated frequencies
- Washable & wave solder compatible models
- Waterproof buzzers up to IP68 ratings

Microphones

Compact, Low Profiles

- Omnidirectional, unidirectional & noise canceling directivity
- -54 ~ -24 dB sensitivities
- 56 ~ 72 dBA signal to noise ratios
- 3 ~ 9.7 mm diameters
- 1 ~ 6.5 mm depths
- Terminal, pin & wire termination types
- 1.5, 2, 3, 4.5 Vdc operating voltages
- Operating frequencies up to 20,000 Hz

Speakers

10 ~ 205 mm Package Sizes

- Oval, rectangular, round & square frame shapes
- 70 ~ 120 dB sound pressure levels
- Mylar, cloth & paper cone types
- 2 ~ 84 mm heights
- Alnico, Ferrite, Nd-Fe-B & Sm2Co17 magnet types
- Numerous mounting styles
- 50 ~ 3,000 Hz resonance frequencies

Custom Capabilities

Buzzers

Mechanical Modifications

- Custom size & height profiles
- Modified mounting styles
- Alternate materials for housing, pins & plating

Electrical Adjustments

- Voltage
- SPL
- Frequency
- Current consumption

Additional Modifications

- Washable stickers over sound holes
- IP ratings

Microphones

Mechanical Modifications

- Custom size & height profiles
- Custom wires & connectors
- Alternate materials for cone, magnet & plastics

Electrical Adjustments

- Input power
- Voltage
- SPL
- Frequency
- Current consumption
- Impedance

Speakers

Mechanical Modifications

- Custom wires & connectors
- Alternate materials

Electrical Adjustments

- Operating voltage
- Sensitivity rating
- SNR rating
- Impedance
- Current consumption



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