



Acoustic
components

Overview of acoustic components

Acoustic indicators are now required for a growing number of electronic modules and applications. The spectrum ranges from simple key press indicators to the penetratingly loud alarms mandatory in items such as smoke detectors.

Avnet Abacus has the right signal transmitter for all these applications. What's more, the product portfolio of our acoustic component manufacturers includes speakers and microphones with the appropriate directionality.

As well as a broad range of standard components we can offer custom designed solutions. For queries and further information, please contact our product specialists at avnet-abacus.eu/ask-an-expert who will be happy to help.



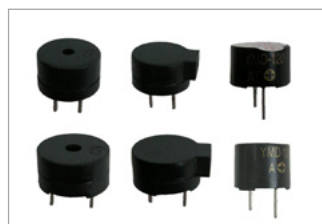
Piezo ceramic SMD buzzers

- Dimensions 9.0 x 9.0 mm to 16.9 x 16.9 mm
- Sound pressure level up to 90 dB
- With or without internal oscillator



Piezo ceramic buzzers

- SMD, THT, connecting leads, front panel mount
- Sound pressure level up to 98 dB, sirens up to 105 dB
- Waterproof versions available
- With or without internal oscillator



Electro-magnetic buzzers

- SMD, THT, connecting leads
- With or without internal oscillator
- Sizes from 4 x 4 mm



Speakers

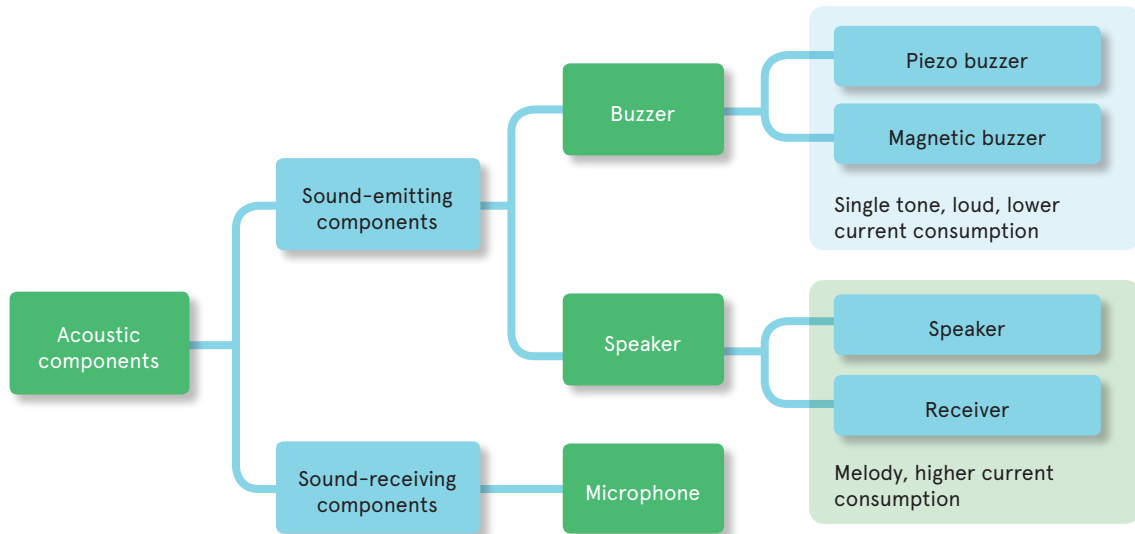
- Maximum size: 87 x 87 mm
- Minimum diameter: 10 mm
- SMD, solder lugs, connecting leads
- Maximum 10 W



ECM

- Unidirectional, omnidirectional and noise cancelling
- High signal-to-noise ratio
- SMD, through hole and with connecting leads & connector
- Water-protected

TECHNOLOGY OVERVIEW



APPLICATIONS



Automotive

- Parking sensors
- Warning signals
- Some AEC-Q200-compliant



Communication

- Telephone
- Fax
- Communication systems (intercoms, conferencing systems)



Safety

- Smoke detectors
- Fire alarm systems



Medical engineering

- ECGs, EEGs
- MRTs
- Blood pressure meters
- Blood glucose meters

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