

【Outline】

A piezoelectric element is attached to a metal vibrating plate, assembled inside a case, and produces sound in response to electrical signals.

High sound pressure is achieved through unique layering technology and electrode connections.

We are able to offer a various customized design with variety of characteristics from single to laminate plate and manufacture them in accordance with requested application.

Request items

HDK's technology

Sound Pressure Level

Layering Technology

Resonant Frequency

Ceramic Materials

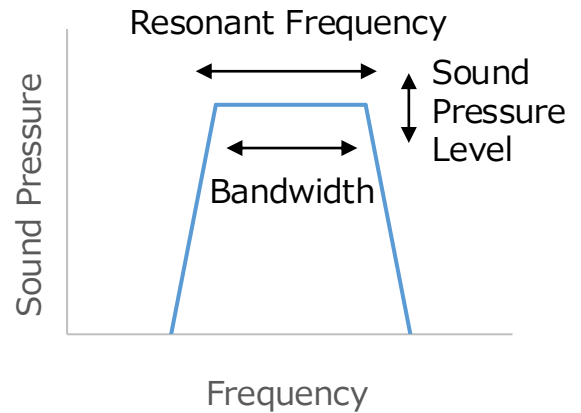
Ceramic Structure

Bandwidth

Diaphragm Design

Shape

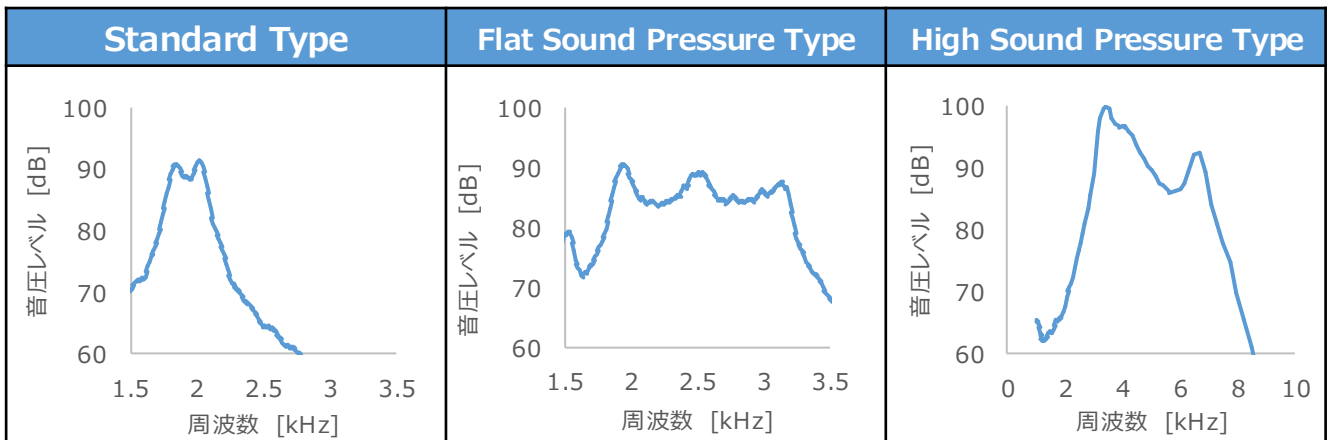
Case Structure Design



【Specification】

Sound Pressure Level	Resonant Frequency	Bandwidth	Input Voltage	Operating Temperature Range
60~100dB	2~4kHz	0.1~1kHz	Max.30V _{p-p}	-40~+85°C

【Example: Frequency - Sound Pressure Characteristics】



【Feature】

- Achieves high sound pressure through unique layering and electrode connection technologies.
- High design flexibility due to consistent design from product structure to MP line.
- Simulation based design by CAE is available.
- Compact/lightweight and low power consumption.
- Highly reliable due to its semi-permanent lifespan.
- Widely used as an automotive buzzer.