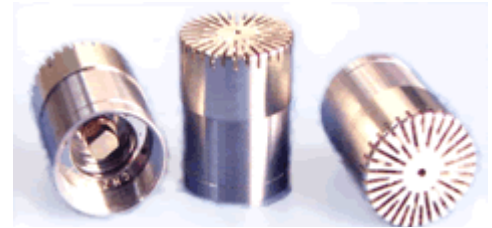


Electret Condenser Microphones

Model CHZ Series

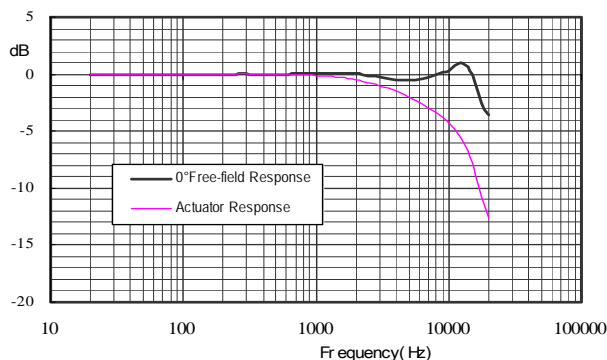
The Electret Microphones in the CHZ series of devices are 1/2" high performance pre-polarisation condenser microphones which represent state-of-the-art microphone technology.

With a rugged construction and exceptional levels of environmental stability over a wide range of temperature and humidity, CHZ Microphones offer wide frequency response calibrated to IEC and ANSI standards.



| Characteristic | Units | CHZ-211 | CHZ-213 | CHZ-221 | CHZ-223 |
|-----------------------------------|-------------|---|----------------------------------|------------------------------------|-------------------------------|
| Open-circuit Sensitivity (250 Hz) | dB re 1V/Pa | -26±1.5dB (50mV/Pa) | -26±1.5dB (50mV/Pa) | -28±2 dB (40mV/Pa) | -28±2 dB (40mV/Pa) |
| Frequency Range | Hz | 6.3Hz ~20kHz ±2dB IEC1094-4 WS2 | 20Hz ~20kHz 1/2 IEC61672 Class 1 | 8Hz ~12.5kHz ±2dB IEC61672 Class 1 | 20-20kHz 1/2 IEC61672 Class 2 |
| Response | | Free-field | | | |
| Polarization | V | 0 | | | |
| 3% Distortion Limit | dB | >146 | | | |
| Thermal Noise | dBA | <16 | | <20 | |
| Pressure Coefficient (250 Hz) | dB/kPa | -0.010 | | | |
| Temperature Coefficient (250 Hz) | dB/°C | -0.005 (-20~+60°C) | | -0.010 (-10~+50°C) | |
| Operating Temperature Range | °C | -30~+80 | | | |
| Operating Humidity Range | RH,% | 0~98 | | | |
| Diameter | mm | 13.2 mm with grid 12.7 mm without grid | | | |
| Height | mm | 17.2 mm with grid 16 mm without grid | | | |
| Thread for Pre-amplifier Mounting | | 11.7 mm- 60 UNS 2B | | | |

CHZ-211 Microphone 0° Free-field Frequency Response Chart:



CHZ-213 Microphone 0° Free-field Frequency Response Chart:

