

MP408



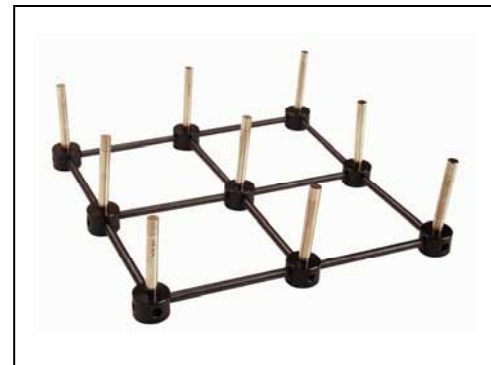
The MP408 is a 1/4" free-field prepolarized microphone and an ideal choice for array applications. The MP408 was developed based on BSWA's Type 1 microphone technologies. Its frequency response meets IEC61672 Class 2 requirements. Each microphone is individually calibrated and aged at 80 °C for long-term stability and reliability.

Specifications

| CLASS 2 MICROPHONE MP408 | |
|-------------------------------------|---|
| Diameter | 7 mm (~1/4") |
| Response | Free Field |
| Open-Circuit Sensitivity | -46 ± 3 dB (5 mV/Pa) |
| Frequency Response | 20 ~ 10 kHz |
| Polarization Voltage | 0 V |
| Dynamic Range (3% Distortion Limit) | > 137 dB |
| Cartridge Thermal Noise | < 36.0 dBA |
| Capacitance (Typical) | 6 pF |
| Pressure Equalization Vent | Front Vented |
| Operating Temperature | -0 ~ 40°C |
| Operating Humidity | 0 ~ 98% RH |
| Dimensions | Length 8.5mm, Thread φ 6mm x 60 UNS |

MPA 408

The MPA408 is a 1/4" ICP microphone that combines the MP408 microphone threaded onto the high performance MA408 ICP preamplifier. It is a low-cost solution to microphone systems and arrays requiring large numbers of microphones. It has an essentially flat frequency response reaching up to 10 kHz and an outstanding dynamic range from 36 dBA to 130 dBA.



| CLASS 2 ARRAY MICROPHONE MPA408 | |
|---------------------------------|----------------------------|
| Diameter | 7 mm (~1/4") |
| Power Required | ICP |
| Output Connector | SMB coaxial |
| Frequency Response | 20 ~ 10 kHz |
| Dimensions | Length 64 mm, |
| Acoustical Properties | See Specification of MP408 |

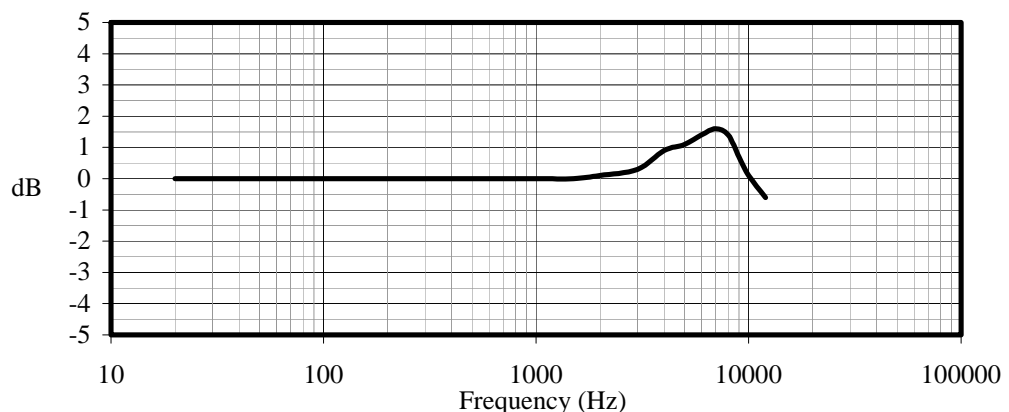


Figure 5: Typical free-field frequency response curve of MP408