

Free-field measurement microphone kit MPA 668-812 **IECEX certification**



Free-field measurement microphone kit MPA668-812 is a special explosion-proof microphone kit, which meets the requirements of dangerous areas and explosive environment, and can ensure the safety of use in dangerous gas environment; It is composed of microphone MP 668 and preamplifier MA 812. The microphone and preamplifier can be separated. Among them, MP 668 is a 1/2 inch pre-polarized free-field measuring microphone, which is used to measure the true sound pressure without distortion before the microphone is put into the sound field.

The MA 812 preamplifier is a preamplifier supplied by constant-current source. It has the characteristics of high input impedance, low background noise and wide frequency response range. It can be used with MP 668 measuring microphone.

Product features

- It meets the requirements of IEC 61094-4 for WS2F type measuring microphone
- Comply with IECEX explosion-proof certification
- Comply with the Ex ic IIB T4 Gc certification

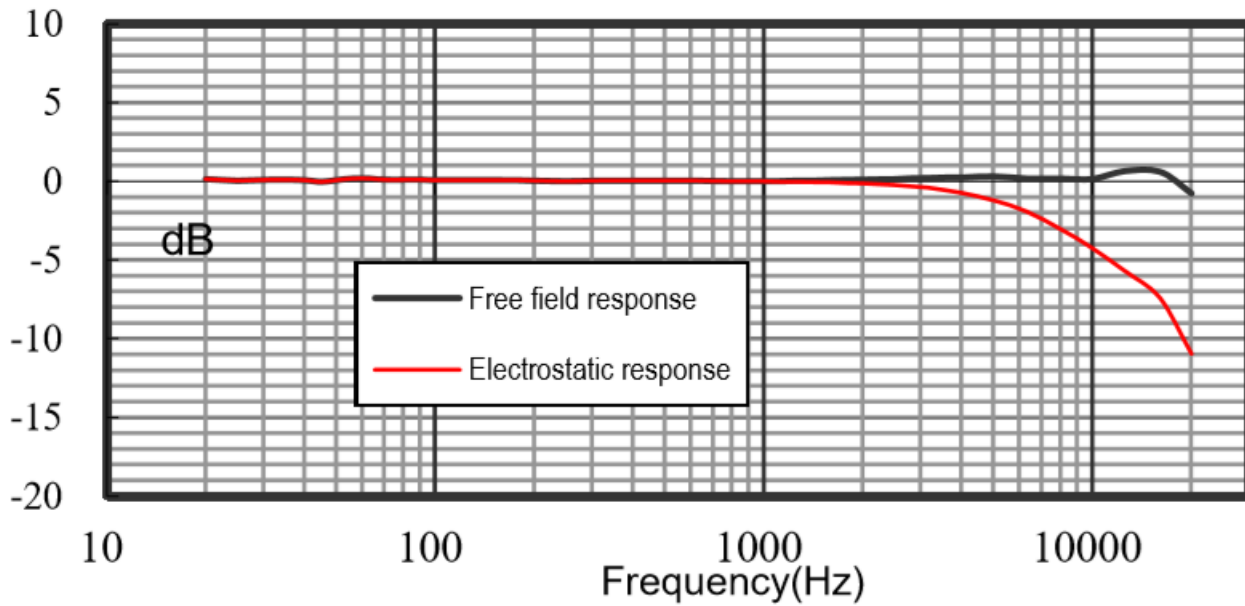
Specifications

Field	Free-field
Frequency range (dB)	6.3Hz – 20kHz ± 2dB 12.5Hz – 10kHz ± 1Db
Dynamic range (dB)	17 dB -146dB (1000 Hz THD<3%)
Sensitivity mV/Pa(dBV/Pa)	44.5mV(-27dB) ± 2dB
Polarization voltage	0V(Prepolarized)
Power supply	4 mA
Typical capacitance	16.0 pF
Connector	BNC
Temperature range	-20°C to 60°C
Humidity range non condensing	10%- 90%

Mechanical dimensions

Overall length	85mm
Diameters	13.2mm
Cooperate with thread	11.7mm-60UNS

Typical Response, 1000Hz is the reference point 0



MegaSig reserves the right to change specifications and accessories without notice.



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