

Low noise pressure field measurement microphone M677 Version: 1.3_20231121_EN



The M 677 is a 1/2 inch prepolarized pressure field measurement microphone that is generally used to measure the acoustic performance of a product located in a coupling cavity. The main part is made of stainless steel so that it has good toughness and long-term stability.

The MegaSig A 802 preamplifier is recommended for optimal test results.

Product characteristics

- Low noise, wide frequency response range
- No polarization voltage required, in accordance with IEC 61072-I standard.

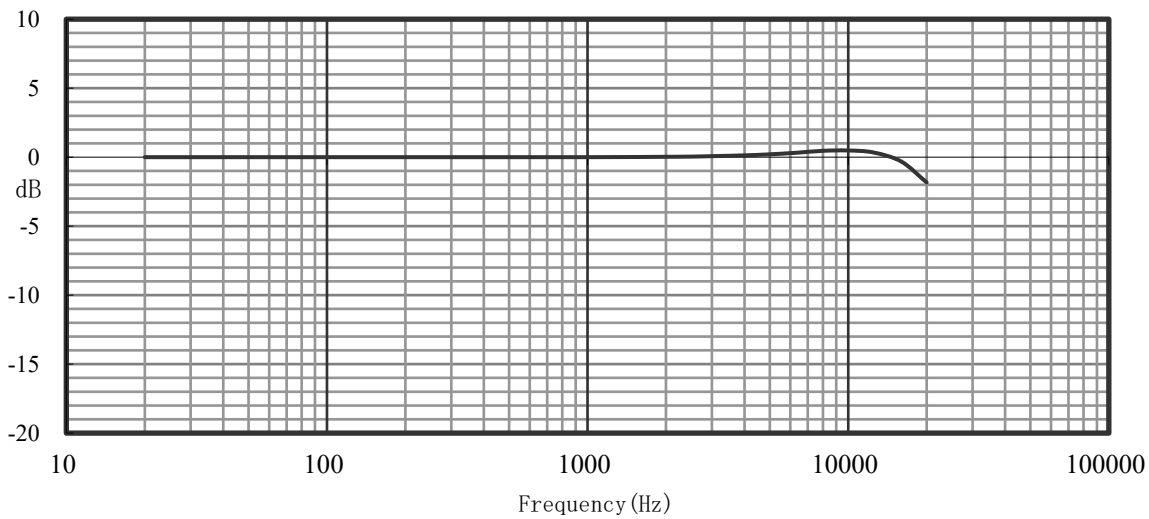
Specifications

Sound field	Pressure field
Frequency Response (dB)	10Hz – 16kHz ± 3 dB 20Hz – 10kHz ± 2 dB 20Hz – 7.5kHz ± 1dB
Sound pressure upper limit	135dB SPL (THD < 3%)
Noise level	< 17 dB(A)
Sensitivity mV/Pa(dBV/Pa)	50mV/Pa (-26.0dB ± 2dB) re 1V/Pa
Typical capacitance	16.0 pF
Polarization voltage	0V
Working temperature	-20°C to 60°C
Temperature Coefficient	10- 90% no condensation
Storage condition	Temperature: 25°C±5°C, humidity: 50%±15%RH (to ensure the long-term stability of the sensor)

Mechanical dimension

Height (including protective cover)	17.2mm
Diameter (including protective cover)	13.2mm
Height (without protective cover)	16.0mm
Diameter (without protective cover)	12.7mm
Preamplifier fit thread	11.7mm-60UNS
Protection grid fit thread	12.7mm-60UNS

M 677 Typical curve of pressure field microphone, 1000Hz is the reference 0 point



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



www.megasig.com

MegaSig Measurement & Control Technology Co.,Ltd

Tel: 0755-8950.8393

Fax: 0755-8950.8392

Sales email: sale@megasig.com

Technical support email: support@megasig.com

Address: Room 1002, Unit 2, Building 1, Hongxing Chuangzhi Plaza, Guangming District, Shenzhen, China