



The MP206 is a 1/2" prepolarized free-field condenser microphone. Developed specifically as an extremely low cost, general purpose microphone, it delivers Class 2 measurement accuracy. It uses a polymer diaphragm and copper housing making it well suited for use indoors and in controlled environments. These materials and associated manufacturing significantly reduce its cost but also limit its ability to meet Class 2 temperature and pressure coefficients. The overall stability and reliability within a constant environment, however, is maintained and ensured through testing of each microphone.

The MP206 protection grid is designed to reduce directivity factors in the higher frequency ranges. The microphone is supplied with its individual sensitivity and typical MP206 frequency response curve, as shown in figure 3. As an option, the actual frequency response of the microphone can be supplied.

Specifications

MICROPHONE MP206	
Diameter	1/2 inch
Response	Free Field
Open-Circuit Sensitivity (250 Hz)	-30±3dB (32mV/Pa)
Frequency Response	20 ~ 12.5 kHz; 60% Tolerance of Class 2
Polarization Voltage	0 V
Dynamic Range (-3% Distortion Limit)	> 135 dB
Cartridge Thermal Noise	< 23dBA
Capacitor (Typical)	20~30 pF
Pressure Equalization Vent	Rear Vented
Operating Temperature	0 ~ 40°C
Operating Humidity:	0 ~ 98% RH
Equivalent Air Volume	280 mm ³ at 250 Hz
Temperature Coefficient (250 Hz)	0.05 dB/°C
Humidity Coefficient (250Hz)	0.02 dB/%RH
Pressure Coefficient (250 Hz)	0.05 dB/kPa
Dimensions	IEC 1094-4 Type WS 2

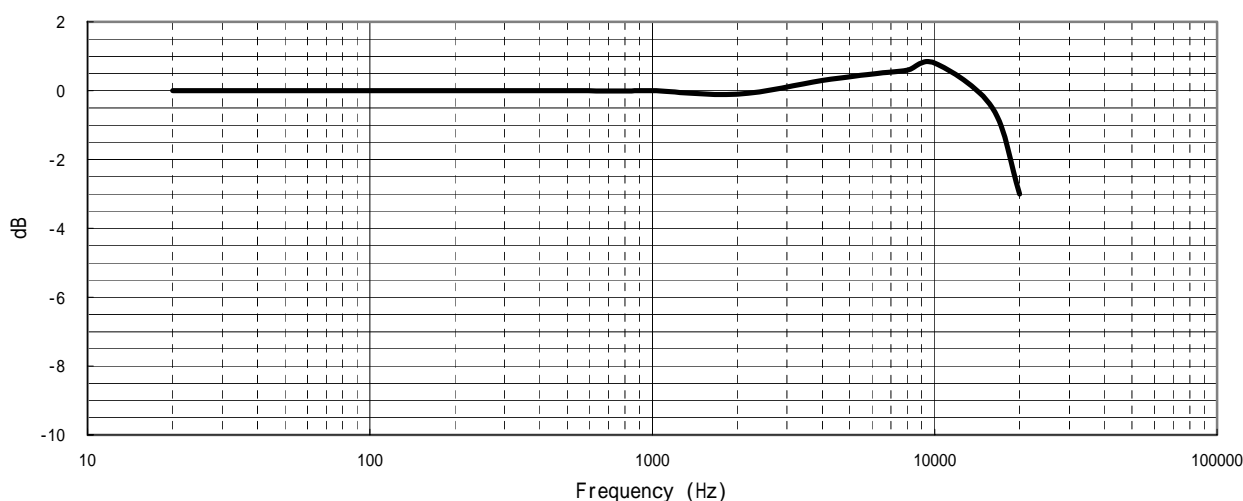


Figure 3: Typical free-field frequency response curve of MP206