

AWA14408 Measuring Microphone



I. Introduction

The AWA14408 measuring microphone is a sound pressure field measuring microphone that requires an external 28V polarization voltage and is mainly used in sound calibrators. The AWA14408 diaphragm is laser-welded, providing excellent stability and environmental adaptability. Its dimensions conform to the IEC 61094 WS2P standard. Assembly and debugging of the AWA144XX series measuring microphones are performed in a cleanroom, featuring low background noise, high stability, and a wide frequency response range. It can be used with multi-channel analyzers, noise analyzers, electroacoustic testers, and other instruments for noise measurement and analysis, and can also replace measuring microphones from other domestic and international brands.

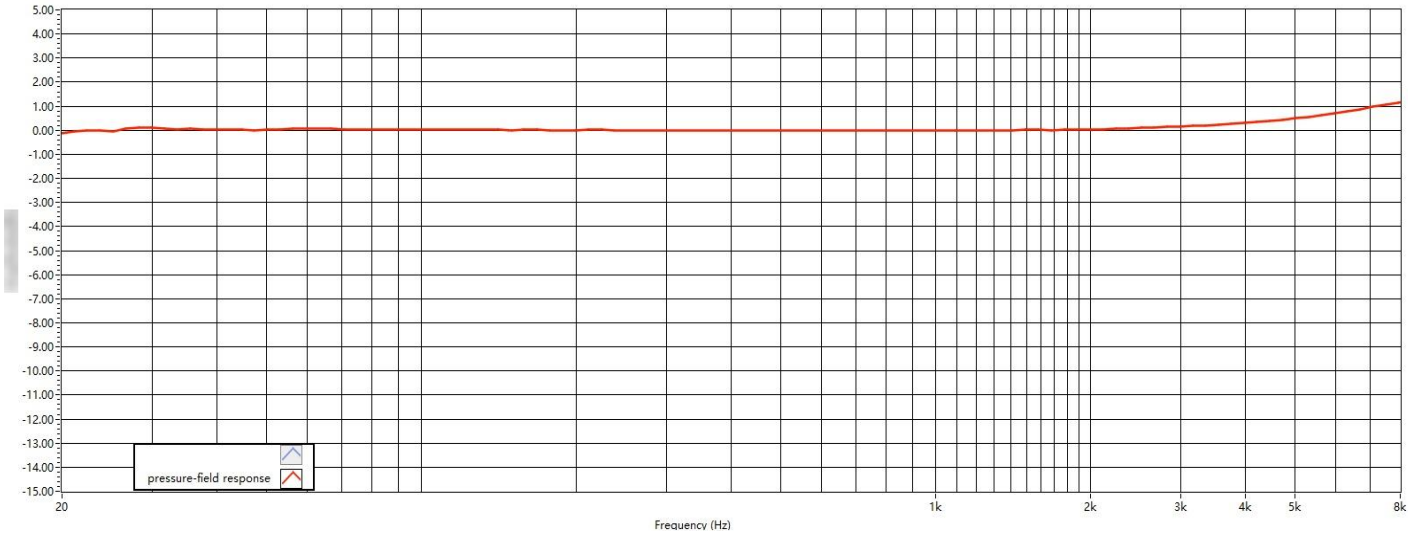
II. Technical Specifications

AWA14408 Measuring Microphone	
Sound Field Type	Pressure Field
Diameter	1/2 inches
Dimensions conform to standard (IEC61094)	WS2P
Polarization Voltage (V)	28
Sensitivity (mV/Pa) (±2.0dB)	3.3
Frequency range (Hz)	10~8k
Typical capacitance (pF)	12 (@250Hz)
Dynamic range (dB)	37~156
Noise floor (dBA)	≤37
Pressure Equalization Method	Side Pressure Equalization
Operating Temperature (°C)	-30~+80
Temperature coefficient (dB/°C)	-0.008 (-10 °C ~ 50 °C)
Static pressure coefficient (dB/kPa)	-0.01
Humidity Operating Range	0~100%RH
Height (including protective cover) (mm)	13.6

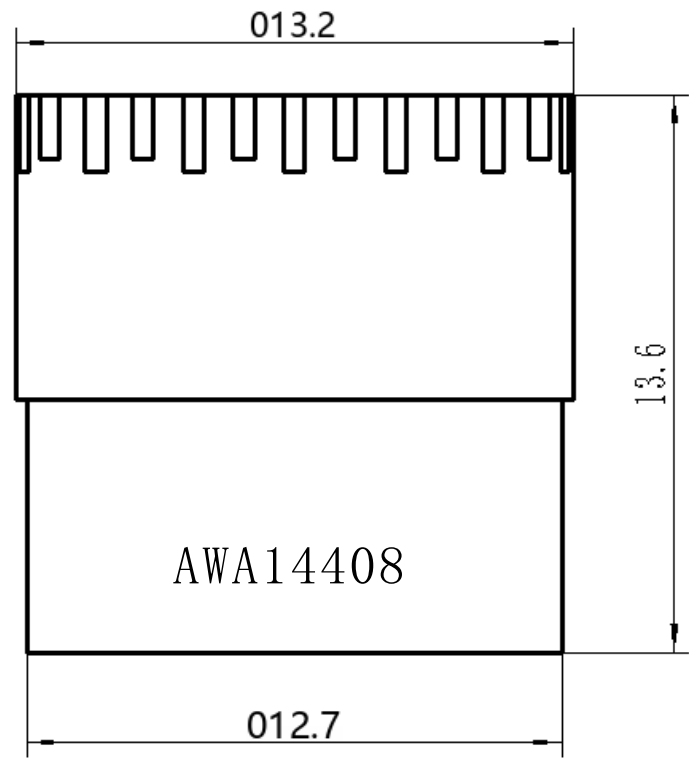
Diameter (including protective cover) (mm)	13.2
Height (excluding protective cover) (mm)	12.6
Diameter (excluding protective cover) (mm)	12.7
Preamplifier Fitting Thread	11.7mm-60UNS

III. Typical frequency response curve of AWA14408 measuring microphone

Test conditions: Temperature 23°C, relative humidity 50%RH



IV. Specifications and Dimensions



V. Contact Information

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