

Specifications for standard condenser microphones and preamplifiers

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1. Summary

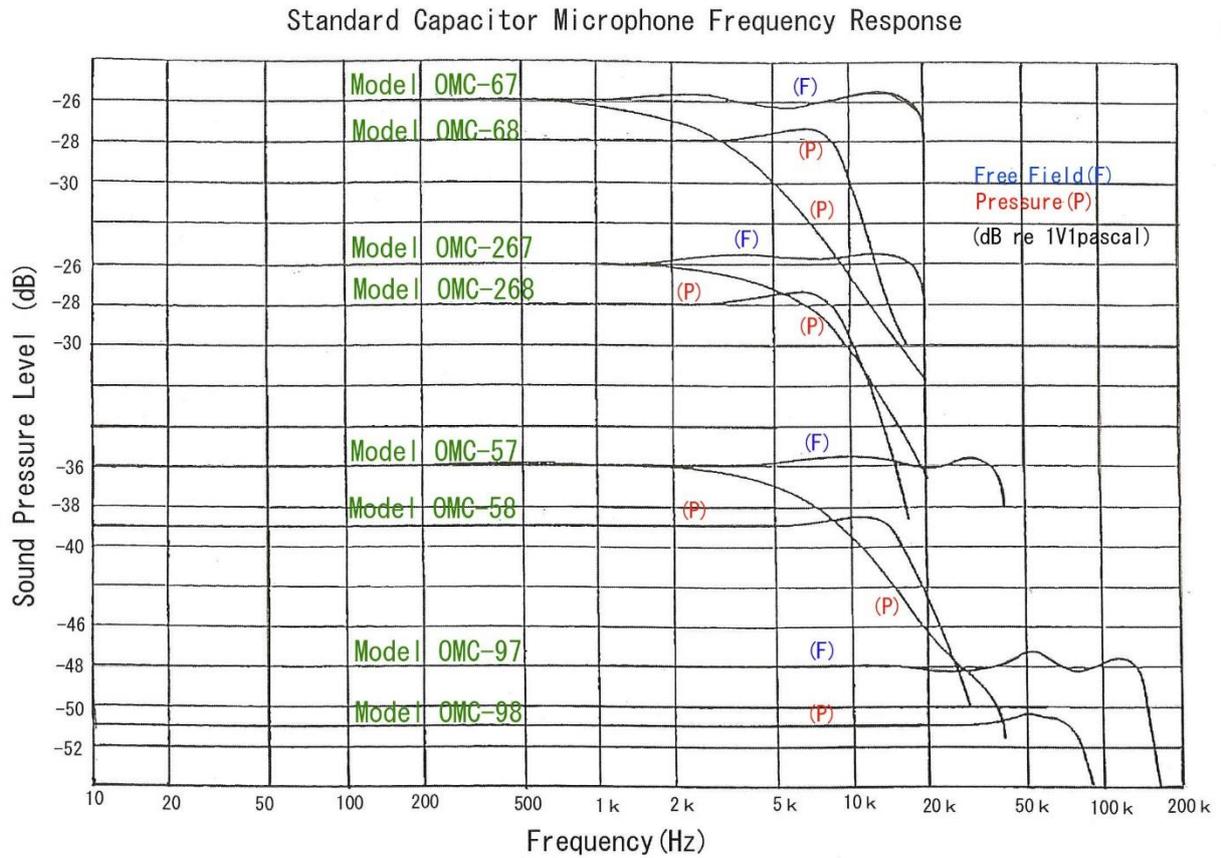
- Condenser microphone is designed ultra low frequency, audio frequency, for precision measurement in the ultrasonic frequency range, to maintain long stability.
- There is a thing having sound pressure field frequency properties that have a free sound field characteristic in a 0degree incidence angle. Apply measurement range by you can be selected using from 1/4inch to 1inch.
- The input impedance of a preamplifier is very high impedance at $10G \Omega$, and output impedance is 100Ω and low impedance, so influence of a cable can be decreased and extend a cable code.
- The microphone comes with calibration chart.
- Standards are conform to the [ANSI S1. 12-1967].
- There is a microphone compatible with the Bruel & Kiaer.
- A microphone of described is metal foil, so even high temperature environment is practicable.

2. Specifications

型名 Model	OMC-67	OMC-68	OMC-257	OMC-258
項目 Item				
口径 Diameter	1-inch		1/2-inch	
音圧感度 Sound Pres. Sensitivity	-26 dB (0 dB=1 V/Pa)	-28 dB (0 dB=1 V/Pa)	-26 dB (0 dB=1 V/Pa)	-28 dB (0 dB=1 V/Pa)
用途 Application	音場用 Sound field	音圧用 Sound pressure	音場用 Sound field	音圧用 Sound pressure
周波数特性 Frequency Response	10 Hz ~ 20 kHz	10 Hz ~ 10 kHz	10 Hz ~ 20 kHz	10 Hz ~ 10 kHz
ダイナミックレンジ Dynamic Range	10 dB ~ 150 dB		10 dB ~ 145 dB	
背極電圧 Polarizing Voltage	200 V			
温度特性 Temp. Characteristics	± 0.007 dB/°C (-10°C ~ +60°C)			
経年変化 Change by Aging	± 0.2 dB (within 5 years at 20°C)			
プリアンプ型名コード長: 5m Preamplifiers Model Cord Length: 5 m	AP-1158			AP-1157A
適合測定器型名 Applicable Instrument Models				

型名 Model	OMC-57	OMC-58	OMC-97	OMC-98
項目 Item				
口径 Diameter	1/2-inch		1/4-inch	
音圧感度 Sound Pres. Sensitivity	-36 dB (0 dB=1 V/Pa)	-38 dB (0 dB=1 V/Pa)	-49 dB (0 dB=1 V/Pa)	-58 dB (0 dB=1 V/Pa)
用途 Application	音場用 Sound field	音圧用 Sound pressure	音場用 Sound field	音圧用 Sound pressure
周波数特性 Frequency Response	10 Hz ~ 40 kHz	10 Hz ~ 20 kHz	20 Hz ~ 100 kHz	20 Hz ~ 70 kHz
ダイナミックレンジ Dynamic Range	21 dB ~ 160 dB		40 dB ~ 164 dB	50 dB ~ 164 dB
背極電圧 Polarizing Voltage	200 V			
温度特性 Temp. Characteristics	± 0.007 dB/°C (-10°C ~ +60°C)			
経年変化 Change by Aging	± 0.2 dB (within 5 years at 20°C)			
プリアンプ型名コード長: 5m Preamplifiers Model Cord Length: 5 m	AP-1157A			AP-1159
適合測定器型名 Applicable Instrument Models				

3. Characteristic table



* Design and specifications are subject to change without notice. *

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