



2006 Twin Diaphragm Omnidirectional Microphone

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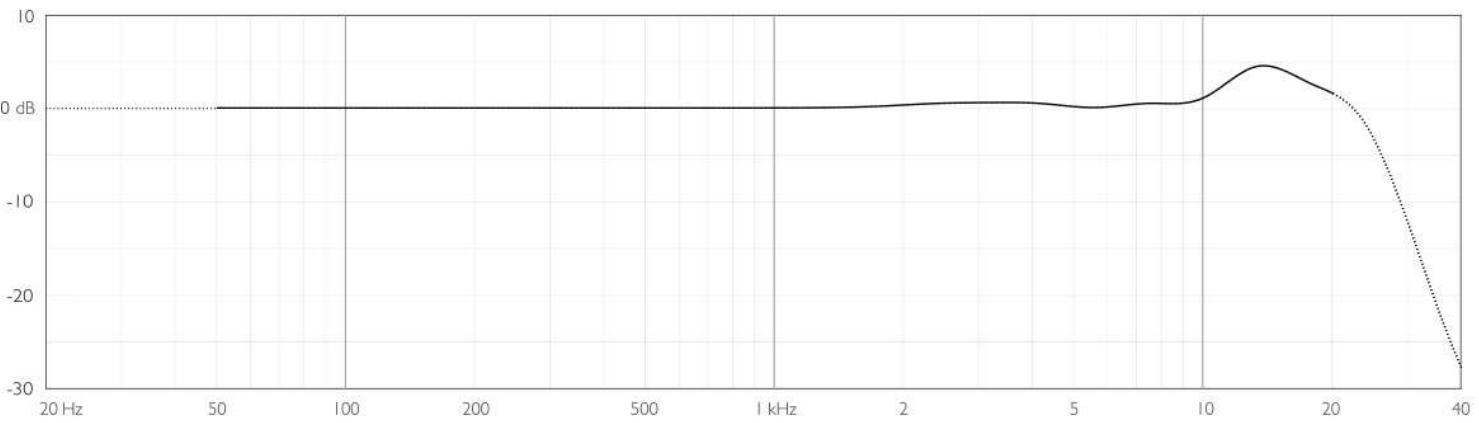
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Specifications - 2006A

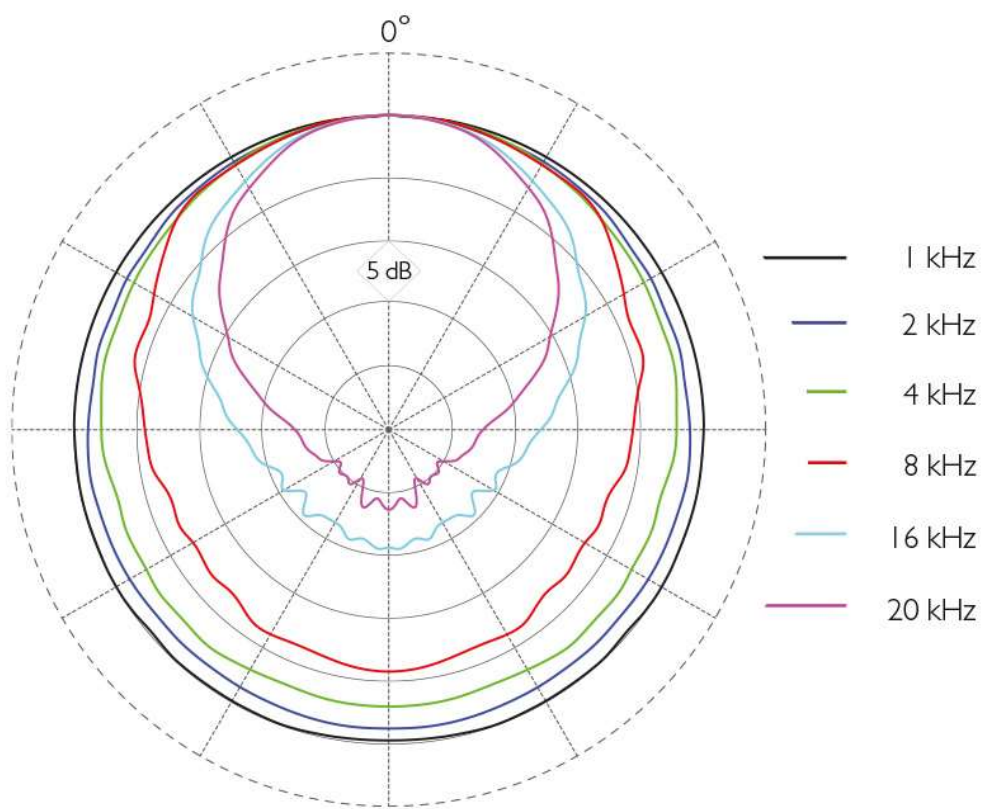
Directional pattern	Omnidirectional
Principle of operation	Pressure
Cartridge type	Pre-polarized condenser, Twin Diaphragm Capsule
Frequency response	20 Hz - 20 kHz

Effective frequency range ± 2 dB	50 Hz - 20 kHz with typ. 3 dB soft boost at 14 kHz
Sensitivity, nominal, ± 2 dB at 1 kHz	40 mV/Pa; -28 dB re. 1 V/Pa
Equivalent noise level, A-weighted	Typ. 16 dB(A) re. 20 μ Pa (max. 18 dB(A))
Equivalent noise level, ITU-R BS.468-4	Typ. 28 dB (max. 30 dB)
Distortion, THD < 1%	127 dB SPL RMS, 130 dB SPL peak
Dynamic range	Typ. 114 dB
Max. SPL, THD 10%	146 dB SPL peak
Switchable attenuator, filters etc.	0 dB / -20 dB
Rated output impedance	200 Ω
Minimum load impedance	2 k Ω
Output balance principle	Impedance balancing with Active Drive
Common mode rejection ratio (CMRR)	> 60 dB
Power supply (for full performance)	P48 (Phantom Power)
Current consumption	2.8 mA
Connector	XLR-3M. Pin 1: shield, Pin 2: signal + phase, Pin 3: - phase
Color	Matte black
Weight	160 g (5.6 oz)
Microphone diameter	19 mm (0.75 in)
Microphone length	164 mm (6.5 in)
Maximum output voltage, RMS	8 V
Polarity	+V at pin 2 for positive sound pressure
Temperature range	-40°C to 45°C (-40°F to 113°F)

Relative humidity (RH)	Up to 90%
Sensitivity selection tolerance (at 1 kHz)	±1.5 dB



Typical on and off-axis response of 2006A Omnidirectional Microphone



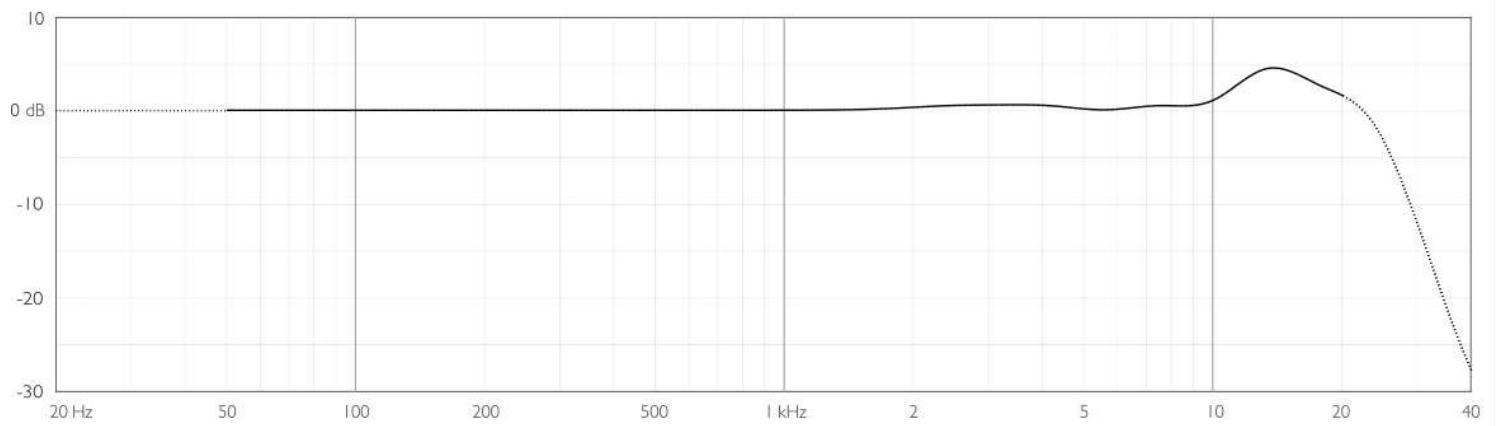
Typical directional characteristics of 2006A Omnidirectional Microphone



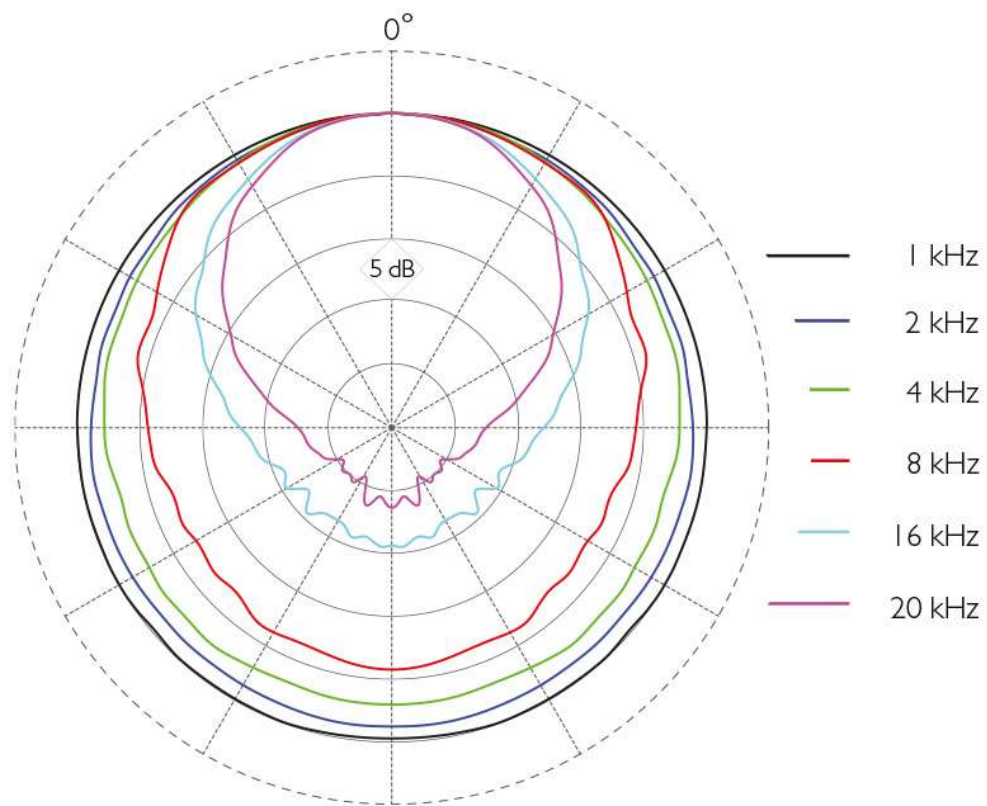
Specifications - 2006C

Directional pattern	Omnidirectional
Principle of operation	Pressure
Cartridge type	Pre-polarized condenser, Twin Diaphragm Capsule
Frequency response	20 Hz - 20 kHz
Effective frequency range ± 2 dB	50 Hz - 20 kHz with typ. 3 dB soft boost at 14 kHz
Sensitivity, nominal, ± 2 dB at 1 kHz	40 mV/Pa; -28 dB re. 1 V/Pa
Equivalent noise level, A-weighted	Typ. 16 dB(A) re. 20 μ Pa (max. 18 dB(A))
Equivalent noise level, ITU-R BS.468-4	Typ. 28 dB (max. 30 dB)
Distortion, THD < 1%	127 dB SPL RMS, 130 dB SPL peak
Dynamic range	Typ. 114 dB
Max. SPL, THD 10%	139 dB SPL peak

Rated output impedance	100 Ω
Minimum load impedance	2 kΩ
Cable drive capability	100 m (328 ft)
Output balance principle	Impedance balancing with Active Drive
Common mode rejection ratio (CMRR) > 50 dB	
Power supply (for full performance)	P48 (Phantom Power)
Current consumption	2.8 mA
Connector	XLR-3M. Pin 1: shield, Pin 2: signal + phase, Pin 3: - phase
Color	Matte black
Weight	60 g (2.1 oz)
Microphone diameter	19 mm (0.75 in)
Microphone length	58 mm (2.3 in)
Maximum output voltage, RMS	4.5 V
Polarity	+V at pin 2 for positive sound pressure
Temperature range	-40°C to 45°C (-40°F to 113°F)
Relative humidity (RH)	Up to 90%
Sensitivity selection tolerance (at 1 kHz)	±1.5 dB



Typical on and off-axis response of 2006C Omnidirectional Microphone



Typical directional characteristics of 2006C Omnidirectional Microphone