4661 Heavy Duty Omnidirectional Microphone

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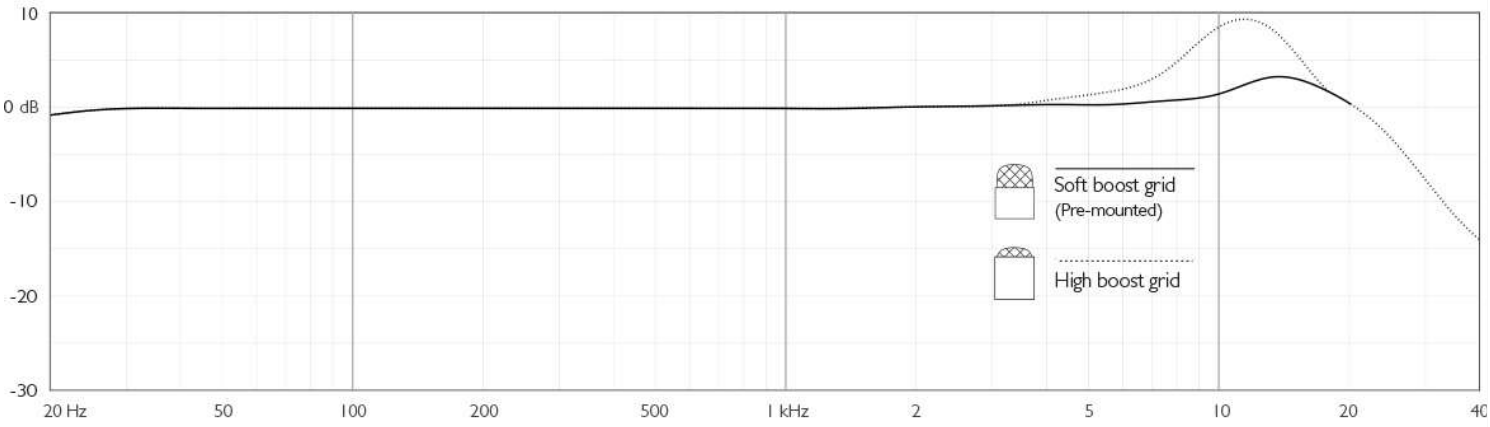
Specifications

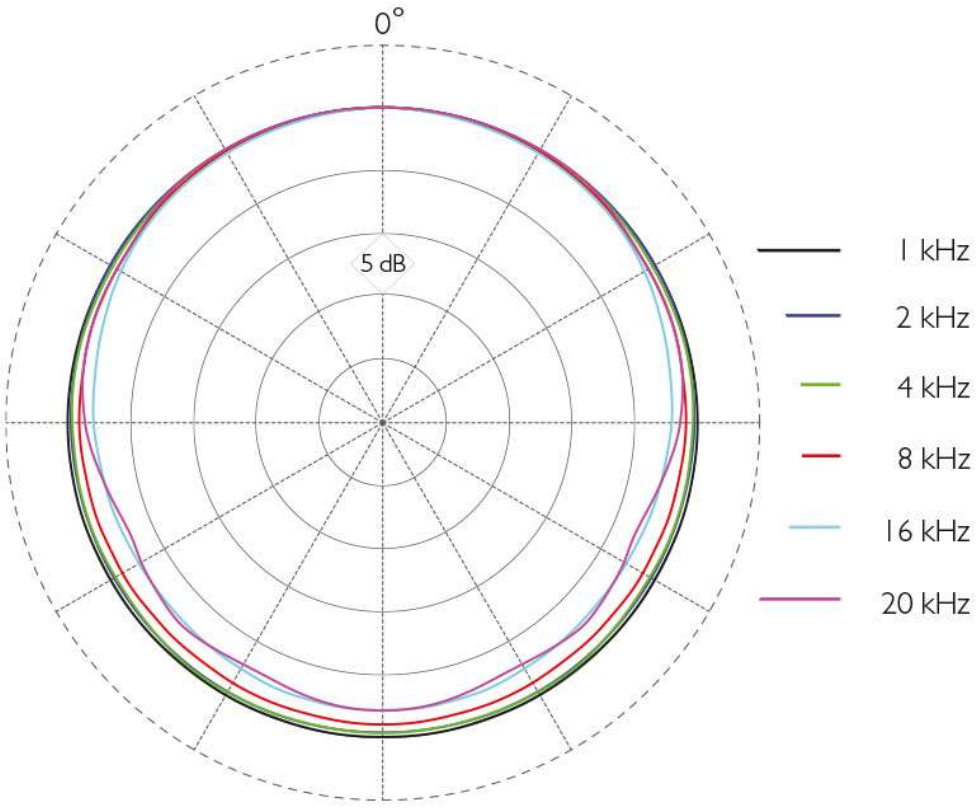
Directional pattern	Omnidirectional
Principle of operation	Pressure
Cartridge type	Pre-polarized condenser
Frequency response	20 Hz - 20 kHz

Effective frequency range ±2 dB	Soft boost grid: 20 Hz - 20 kHz, 3 dB soft boost at 8 - 20 kHz. High boost grid: 20 Hz - 20 kHz, 10 dB boost at 12 kHz
Sensitivity, nominal, ±3 dB at 1 kHz	6 mV/Pa; -44 dB re. 1 V/Pa
Equivalent noise level, A-weighted	Typ. 26 dB(A) re. 20 µPa (max. 28 dB(A))
Equivalent noise level, ITU-R BS.468-4	Typ. 38 dB (max. 40 dB)
Distortion, THD < 1% - Legacy	120 dB SPL RMS, 123 dB SPL peak
Distortion, THD < 1% - CORE	134 dB SPL RMS, 137 dB SPL peak
Dynamic range	Typ. 97 dB
Max. SPL, THD 10%	144 dB SPL peak
Rated output impedance	30 - 40 Ω
Cable drive capability	Up to 300 m (984 ft) with DAD6001-BC XLR Adapter
Output balance principle	Signal balanced with DAD6001-BC XLR Adapter
Common mode rejection ratio (CMRR)	> 60 dB from 50 Hz to 15 kHz with DAD6001-BC XLR Adapter
Power supply (for full performance)	For wireless systems: Min. 5 V - max. 10 V through DPA adapter With DAD6001-BC: P48 (Phantom Power). Will work from 12 V
Current consumption	Typ. 1.5 mA (microphone). 3.5 mA with DAD6001-BC XLR Adapter
Connector	MicroDot, TA4F Mini-XLR, 3-pin LEMO, Mini-Jack
Color	Black or beige
Weight	13 g (0.46 oz) incl. Cable and MicroDot connector
Microphone diameter	5.4 mm (0.21 in)
Microphone length	17.6 mm (0.7 in)
Cable length	1.8 m (5.9 ft)
Cable color	Black or beige

Cable diameter	2.2 mm (0.09 in)
Polarity	Positively increasing sound pressure produces positive going voltage on MicroDot pin
Temperature range	-40°C to 45°C (-40°F to 113°F)
Relative humidity (RH)	Up to 90%



Typical on and off-axis response of a 4661 Heavy Duty



Typical directional characteristics of a 4661 Heavy Duty