



4671 Heavy Duty Omnidirectional Microphone

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**Specifications**

<b>Directional pattern</b>	Omnidirectional
<b>Principle of operation</b>	Pressure
<b>Cartridge type</b>	Pre-polarized condenser
<b>Frequency response</b>	20 Hz - 20 kHz
<b>Effective frequency range <math>\pm 2</math> dB</b>	100 Hz - 15 kHz with typ. 5 dB soft boost at 4 - 6 kHz
<b>Sensitivity, nominal, <math>\pm 3</math> dB at 1 kHz</b>	6 mV/Pa; -44 dB re. 1 V/Pa

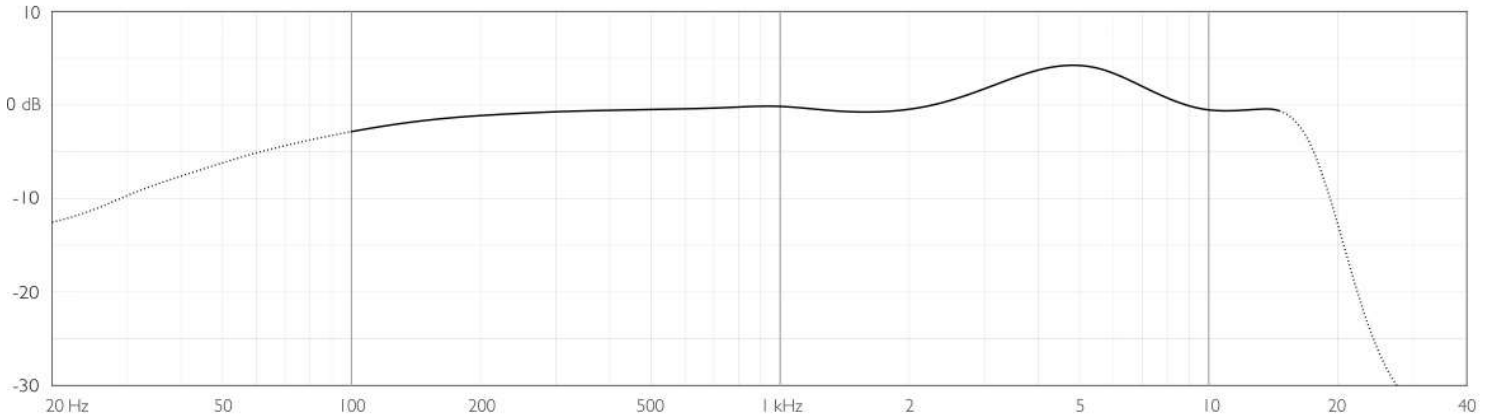
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<b>Equivalent noise level, A-weighted</b>	Typ. 26 dB(A) re. 20 µPa (max. 28 dB(A))
<b>Equivalent noise level, ITU-R BS.468-4</b>	Typ. 38 dB (max. 40 dB)
<b>Distortion, THD &lt; 1% - Legacy</b>	120 dB SPL RMS, 123 dB SPL peak
<b>Distortion, THD &lt; 1% - CORE</b>	134 dB SPL RMS, 137 dB SPL peak
<b>Dynamic range</b>	Typ. 97 dB
<b>Max. SPL, THD 10%</b>	144 dB SPL peak
<b>Rated output impedance</b>	30 - 40 Ω
<b>Cable drive capability</b>	Up to 300 m (984 ft) with DAD6001-BC XLR Adapter
<b>Output balance principle</b>	Signal balanced with DAD6001-BC XLR Adapter
<b>Common mode rejection ratio (CMRR)</b>	> 60 dB from 50 Hz to 15 kHz with DAD6001-BC XLR Adapter
<b>Power supply (for full performance)</b>	For wireless systems: Min. 5 V - max. 10 V through DPA adapter With DAD6001-BC: P48 (Phantom Power). Will work from 12 V
<b>Current consumption</b>	Typ. 1.5 mA (microphone). 3.5 mA with DAD6001-BC XLR Adapter
<b>Connector</b>	MicroDot, TA4F Mini-XLR, 3-pin LEMO, Mini-Jack
<b>Color</b>	Black
<b>Weight</b>	14 g (0.5 oz) incl. Cable and MicroDot connector
<b>Microphone diameter</b>	5.4 mm (0.21 in)
<b>Microphone length</b>	17.6 mm (0.7 in)
<b>Cable length</b>	1.8 m (5.9 ft)
<b>Cable color</b>	Black
<b>Cable diameter</b>	2.2 mm (0.09 in)
<b>Polarity</b>	Positively increasing sound pressure produces positive going voltage on MicroDot pin

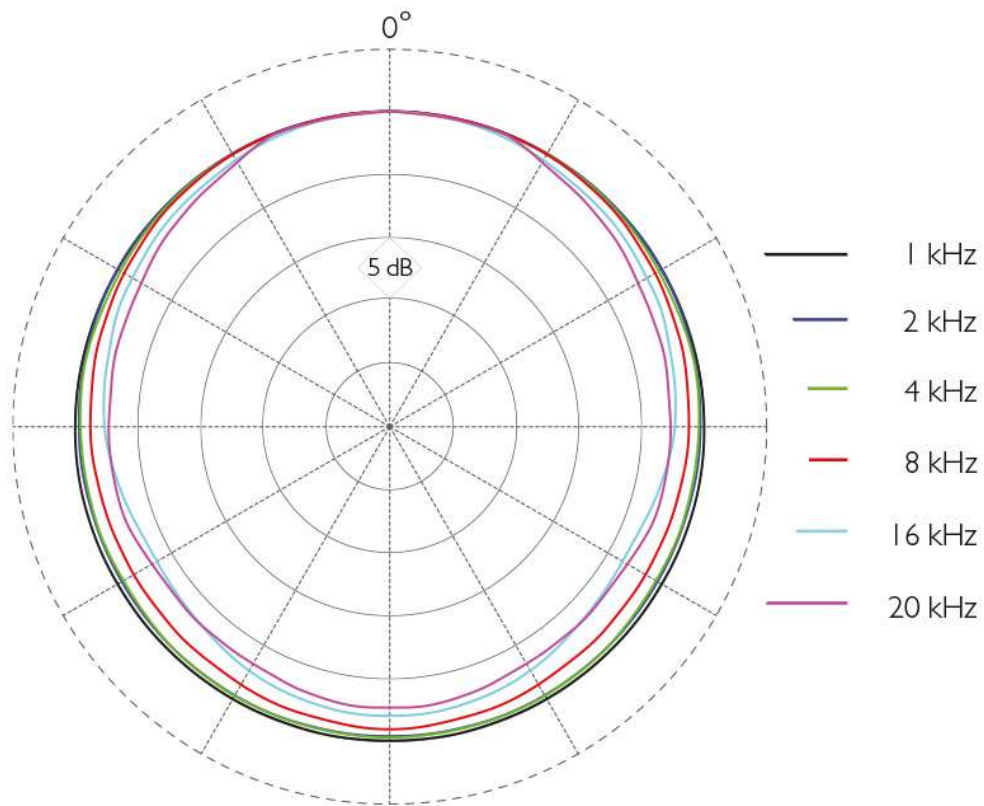
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**Temperature range** -40°C to 45°C (-40°F to 113°F)

**Relative humidity (RH)** Up to 90%



Typical on and off-axis response of a 4671 Heavy Duty



Typical directional characteristics of a 4671 Heavy Duty