



4188 & 4288 Flex Directional Headset and Earset Microphone

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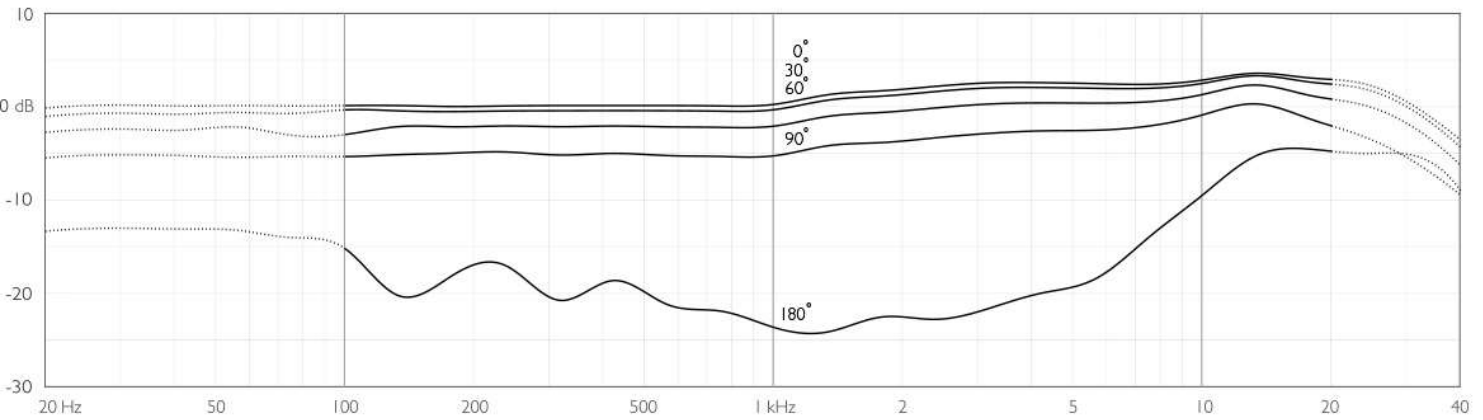
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Specifications - 4188

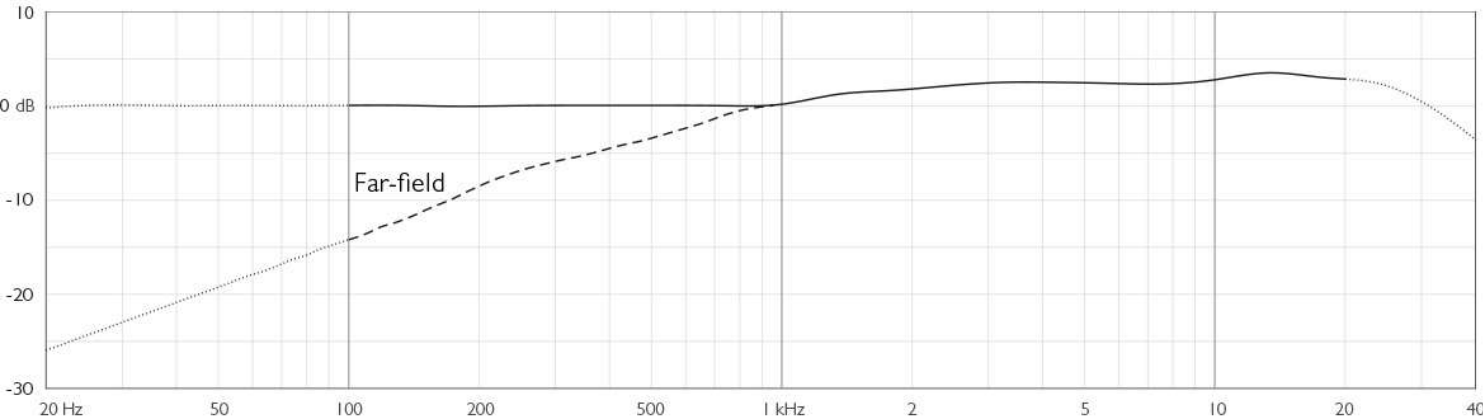
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| Directional pattern | Cardioid |
| Principle of operation | Pressure gradient |
| Cartridge type | Pre-polarized condenser |
| Frequency response | 20 Hz - 20 kHz |

| | |
|---|---|
| Effective frequency range, ± 2 dB, Near field 2-3 cm (0.8 - 1.2 in) | 100 Hz - 20 kHz with 3 dB soft boost at 8 - 20 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 μ Pa (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 - Legacy | Typ. 95 dB |
| Dynamic range - CORE | Typ. 111 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, beige or brown |
| Weight | Microphone boom: 0.8 g (0.03 oz). Earhook: 1.1 g (0.04 oz). Cabel: 6.6 g (0.23 oz). Total: 8.5 g (0.30 oz) |
| Microphone diameter | 5.4 mm (0.21 in) |
| Cable length | 1.3 m (4.3 ft) |

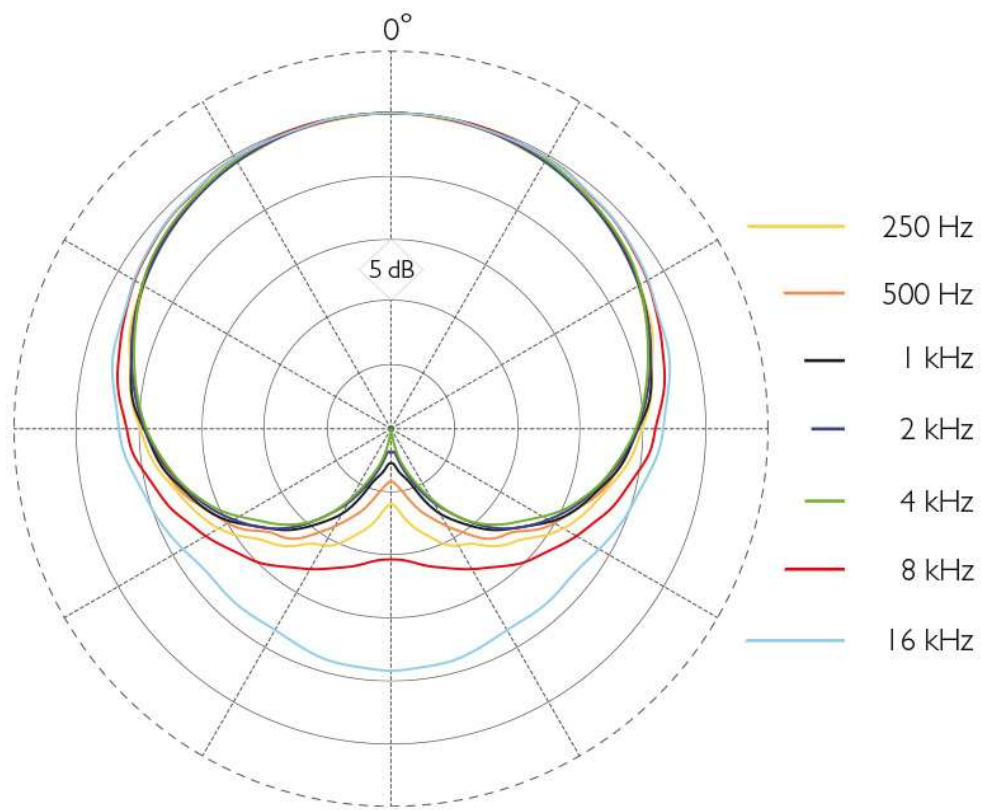
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| Cable color | Black, beige or brown |
| Cable diameter | 1.6 mm (0.06 in) |
| Polarity | Positively increasing sound pressure produces positive going voltage on MicroDot pin |
| Electromagnetic compatibility (EMC) | Fully compatible |
| Temperature 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 4188



Frequency response of the 4188 in near and far field



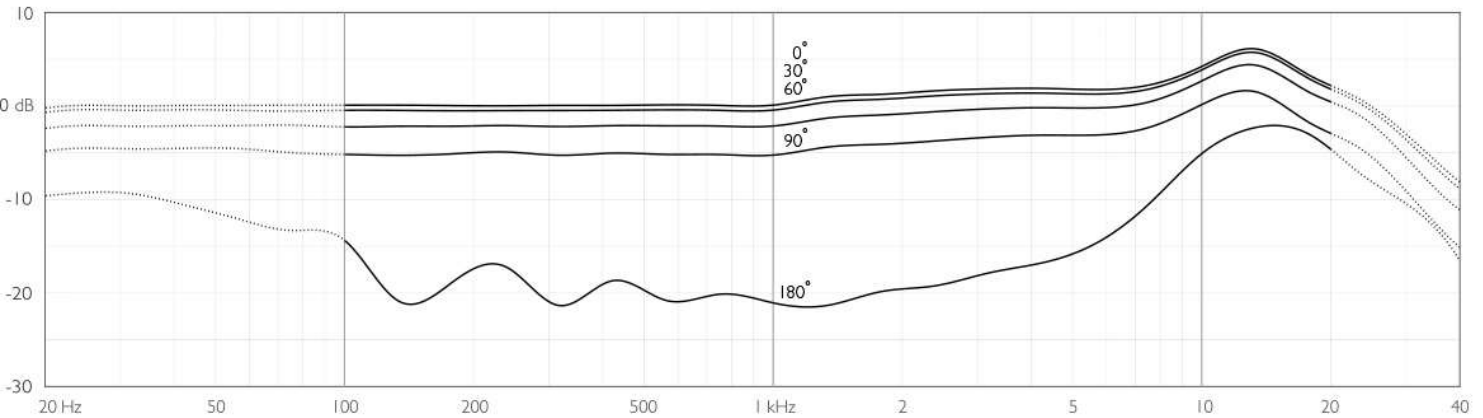
Typical directional characteristics of a 4188



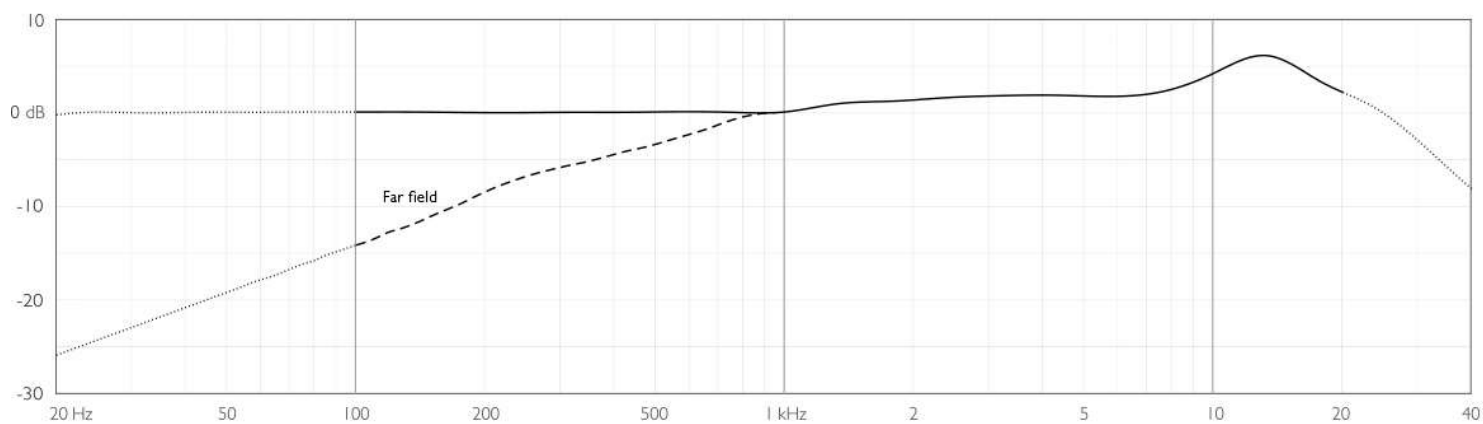
Specifications - 4288

| | |
|---|---|
| Directional pattern | Cardioid |
| Principle of operation | Pressure gradient |
| Cartridge type | Pre-polarized condenser |
| Frequency response | 20 Hz - 20 kHz |
| Effective frequency range, ± 2 dB, Near field 2-3 cm (0.8 - 1.2 in) | 100 Hz - 20 kHz (4 - 6 dB soft boost at 15 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 μ Pa (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 - Legacy | Typ. 97 dB |
| Dynamic range - CORE | Typ. 111 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 |

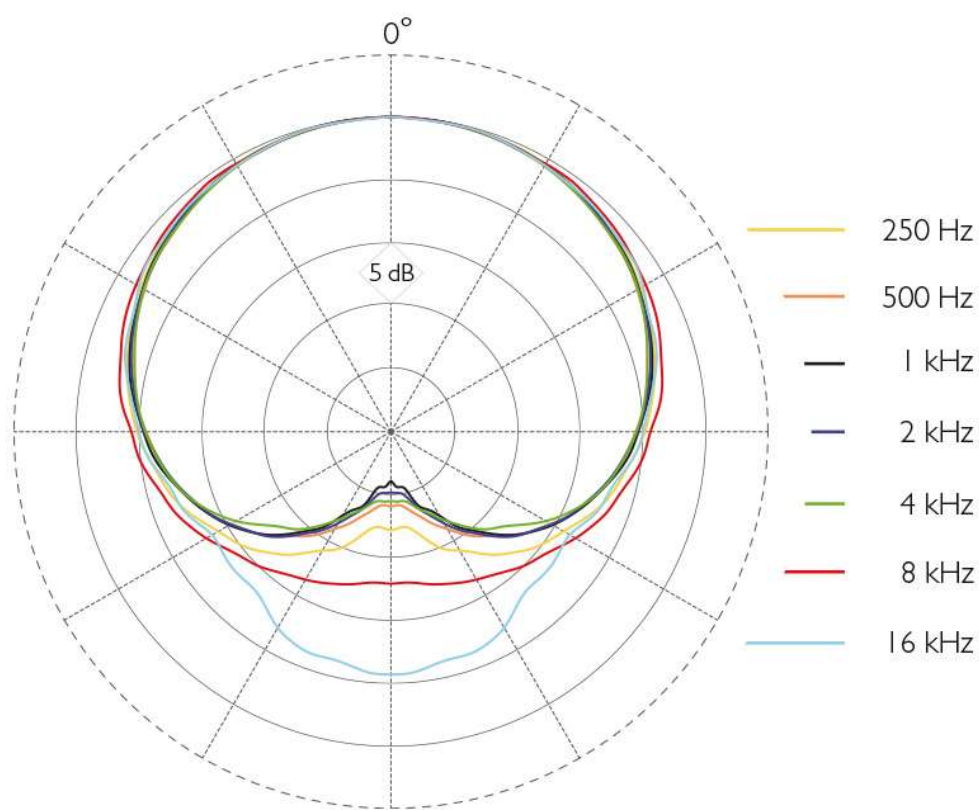
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| Color | Black, beige or brown |
| Weight | Single Ear: 10 g (0.35 oz) |
| Microphone diameter | 5.4 mm (0.21 in) |
| Microphone length | 12.7 mm (0.5 in) |
| Cable length | 1.3 m (4.3 ft) |
| Cable color | Black, beige or brown |
| Cable diameter | 1.6 mm (0.06 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 4288



Frequency response of the 4288 in near and far field



Typical directional characteristics of a 4288