



4097 CORE Micro Shotgun Microphone

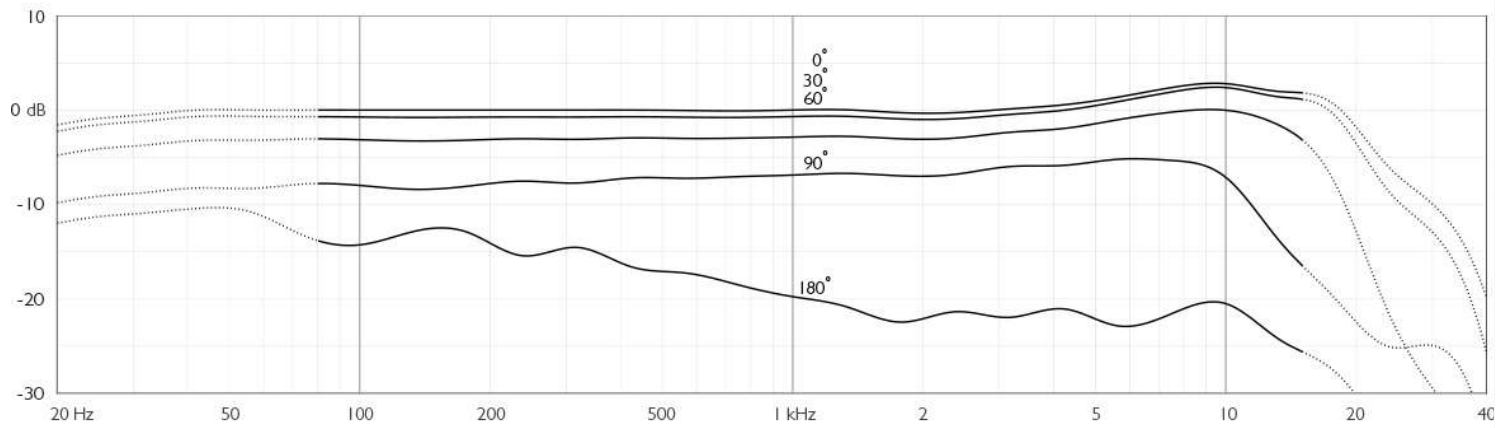
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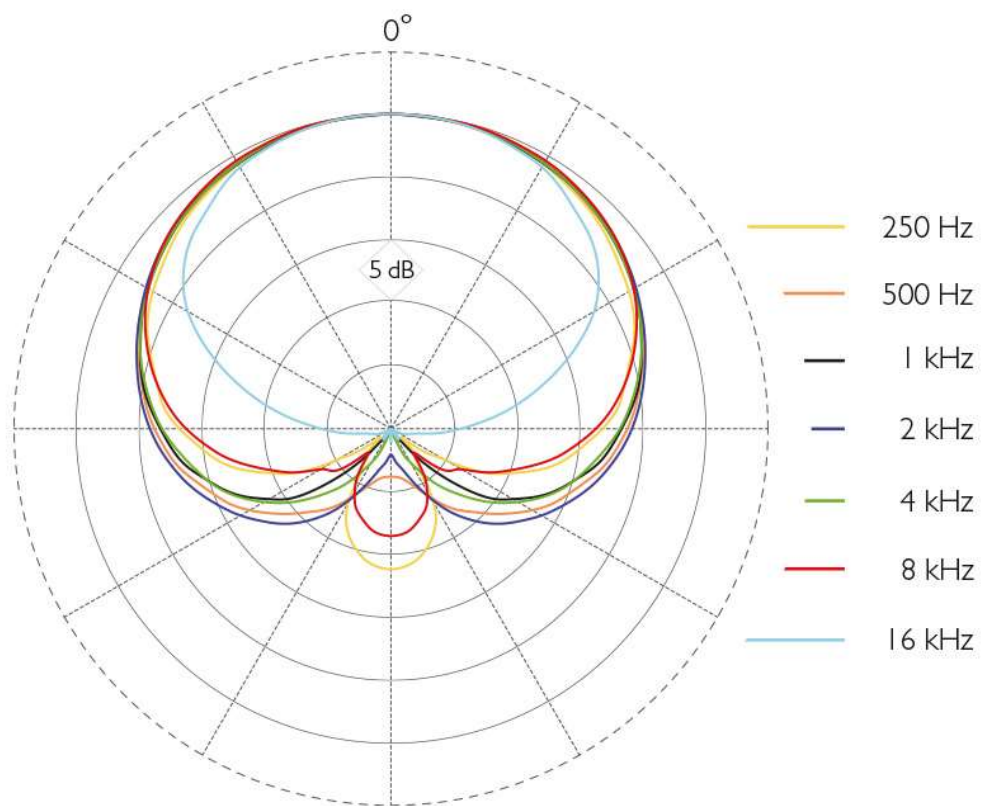
Specifications

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

<b>Effective frequency range ±2 dB, at 20 cm (7.9 in)</b>	80 Hz - 15 kHz with 2 dB soft boost at 10-12 kHz
<b>Sensitivity, nominal, ±3 dB at 1 kHz</b>	16 mV/Pa; -36 dB re. 1 V/Pa
<b>Equivalent noise level, A-weighted</b>	Typ. 23 dB(A) re. 20 µPa (max. 26 dB(A))
<b>Equivalent noise level, ITU-R BS.468-4</b>	Typ. 35 dB (max. 38 dB)
<b>Distortion, THD &lt; 1%</b>	130 dB SPL RMS, 133 dB SPL peak
<b>Dynamic range</b>	Typ. 110 dB
<b>Max. SPL, THD 10%</b>	135 dB SPL peak
<b>Rated output impedance</b>	From MicroDot: 30 - 40 Ω. From DAD4099-BC XLR Adapter: 100 Ω
<b>Cable drive capability</b>	Up to 300 m (984 ft) with DAD4099-BC XLR Adapter
<b>Common mode rejection ratio (CMRR)</b>	> 60 dB from 50 Hz to 15 kHz with DAD4099-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
<b>Color</b>	Black
<b>Weight</b>	10 g (0.35 oz)
<b>Microphone length</b>	10.4 cm (4 in)
<b>Temperature range</b>	-40°C to 45°C (-40°F to 113°F)
<b>Relative humidity (RH)</b>	Up to 90%



Typical on and off-axis response of a 4097 microphone measured at 20 cm (7.9 in).



Typical directional characteristics of a 4097