



4097 CORE Supercardioid Choir Mic

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**Specifications**

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

**Effective frequency range  $\pm 2$  dB, at 20 cm (7.9 in)** 80 Hz - 15 kHz with 2 dB soft boost at 10-12 kHz. Second order low-cut filter at 80 Hz with DAD4099-BC

**Sensitivity, nominal,  $\pm 3$  dB at 1 kHz** 16 mV/Pa; -36 dB re. 1 V/Pa

**Equivalent noise level, A-weighted** Typ. 23 dB(A) re. 20  $\mu$ Pa (max. 26 dB(A))

**Equivalent noise level, ITU-R BS.468-4** Typ. 35 dB (max. 38 dB)

**Distortion, THD < 1%** 130 dB SPL RMS, 133 dB SPL peak

**Dynamic range** Typ. 110 dB

**Max. SPL, THD 10%** 135 dB SPL peak

**Rated output impedance** From MicroDot: 30 - 40  $\Omega$ . From DAD4099-BC XLR Adapter: 100  $\Omega$

**Cable drive capability** Up to 300 m (984 ft) with DAD4099-BC XLR Adapter

**Common mode rejection ratio (CMRR)** > 60 dB from 50 Hz to 15 kHz with DAD4099-BC XLR Adapter

**Power supply (for full performance)** For wireless systems: Min. 5 V - max. 10 V through DPA adapter  
With DAD4099-BC: P48 (Phantom Power). Will work from 12 V

**Current consumption** Typ. 1.5 mA (microphone). 3.5 mA with DAD4099-BC XLR Adapter

**Connector** MicroDot. XLR via supplied DAD4099-BC adapter

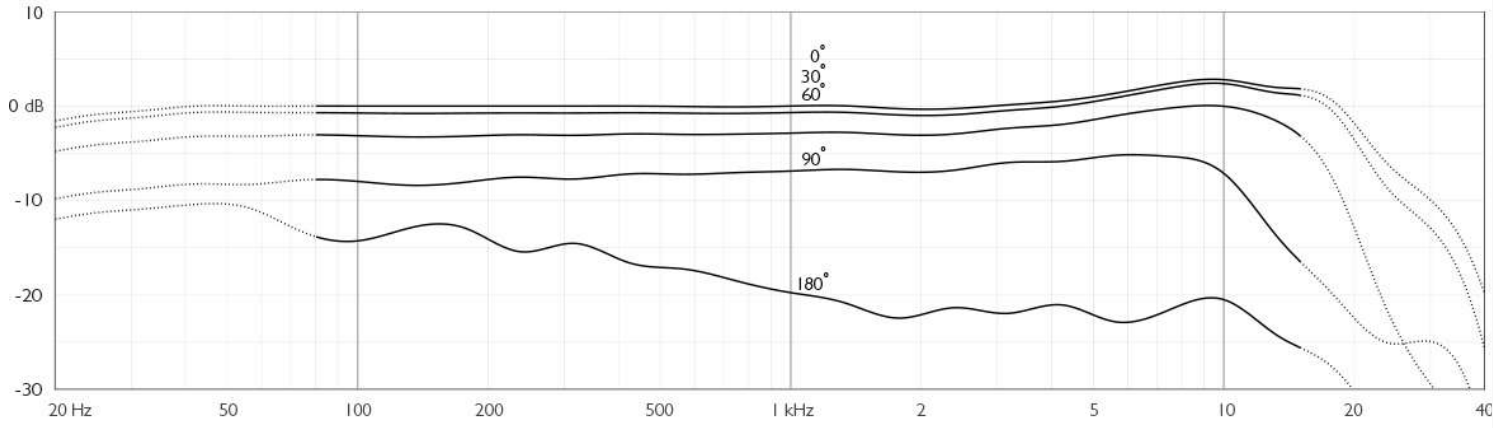
**Color** Black

**Weight** Total: 5.1 kg (180 oz). Round Base: 4.4 kg (155 oz)

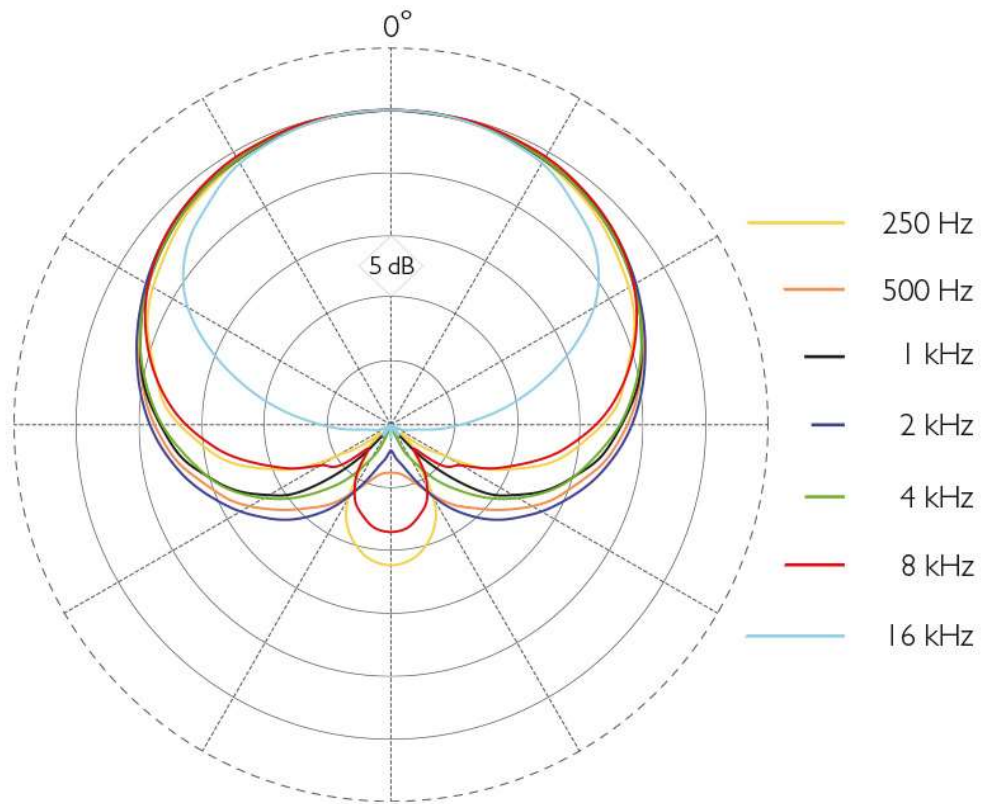
**Maximum Total Height** 253 cm (100 in)

**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 4097 microphone measured at 20 cm (7.9 in).



Typical directional characteristics of a 4097