

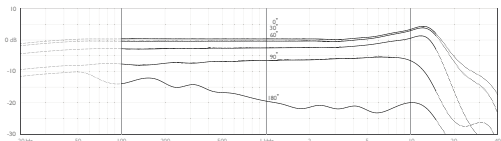
4098 CORE Miniature Supercardioid Gooseneck Microphone For podium/hanging/floor stand applications

Clean, intelligible sound is key when an orator is addressing a crowd. This microphone, in any of its configurations, delivers high intelligibility and controlled directionality as well as efficient rejection of background noise and radio frequency interference.

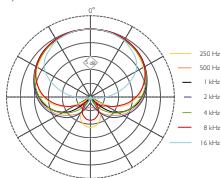
Performance

The factory-mounted foam windscreen on the mic head should always be kept on to prevent pop noise.

Frequency response



Typical on- and off-axis frequency responses of the 4098 CORE Miniature Supercardioid Gooseneck Microphone at 20 cm (8 in)



Typical directional characteristics of the 4098 CORE Miniature Supercardioid Gooseneck Microphone

Service and repair

If you are not satisfied with the characteristics exhibited by this product, please contact your nearest DPA Microphones representative for support.

Warranty

The 4098 CORE Miniature Supercardioid Gooseneck Microphone is covered by two-year limited warranty.

CE marking

This product conforms to all relevant directives approved by the European Commission.

Specifications

Directional pattern

Supercardioid

Principle of operation

Pressure gradient

Cartridge type

Pre-polarized condenser

Frequency response

20 Hz - 20 kHz

Effective frequency range, ± 2 dB, 20 cm (7.9 in) distance

MicroDot: 80 Hz - 15 kHz with 3 dB soft boost at 8-15 kHz

XLR-3M: 100 Hz - 15 kHz with 3 dB soft boost at 8-15 kHz and permanent 2nd order low-cut filter at 80 Hz

Sensitivity, nominal, ± 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 μ 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

Rated output impedance

From MicroDot: 30 - 40 Ω .

From XLR connector or DAD6001-BC XLR Adapter: 100 Ω

Minimum load impedance

2 k Ω

Cable drive capability

MicroDot: Up to 300 m (984 ft) with DAD6001-BC XLR Adapter

XLR-3M: Up to 100 m (328 ft)

Output balance principle

Signal balanced with XLR connector or 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)

MicroDot: Min. 5 V to max. 10 V through DPA adapter for wireless systems or

P48 (Phantom power) with DAD6001-BC XLR adapter

XLR-3M: P48 (Phantom power)

Current consumption

Typ. 1.5 mA (microphone), 3.5 mA with DAD6001-BC XLR Adapter

Connector

MicroDot or XLR-3M

Color

Black or white

Polarity

+V at MicroDot pin for positive sound pressure (and pin 2 on XLR connector or DAD6001-BC XLR adapter)

Temperature range

-40 $^{\circ}$ C to 45 $^{\circ}$ C (-40 $^{\circ}$ F to 113 $^{\circ}$ F)

Relative Humidity (RH)

Up to 90%