

# Specifications

Directional pattern

Omnidirectional

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Principle of operation

Pressure

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Cartridge type

Pre-polarized condenser

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Frequency range

20 Hz - 20 kHz

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Frequency range,  $\pm 2$  dB

100 Hz - 15 kHz with typ. 5 dB soft boost at 4 - 6 kHz

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Sensitivity, nominal,  $\pm 3$  dB at 1 kHz

6 mV/Pa; -44 dB re. 1 V/Pa

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Equivalent noise level, A-weighted

Typ. 26 dB(A) re. 20  $\mu$ Pa (max. 28 dB(A))

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Equivalent noise level, ITU-R BS.468-4

Typ. 38 dB (max. 40 dB)

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S/N ratio (A-weighted), re. 1 kHz at 1 Pa (94 dB SPL)

Typ. 68 dB(A)

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Total harmonic distortion (THD)

< 1% up to 123 dB SPL peak

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Dynamic range

Typ. 97 dB

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Max. SPL, peak before clipping

144 dB

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Output impedance

From MicroDot: 30 - 40  $\Omega$ . From DAD6001: 100  $\Omega$

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Cable drive capability

Up to 300 m (984 ft) with DAD600I-BC XLR Adapter

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Output balance principle

Signal balanced with DAD600I-BC XLR Adapter

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Common mode rejection ratio (CMRR)

> 60 dB from 50 Hz to 15 kHz with DAD600I-BC XLR Adapter

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Power supply (for full performance)

Min. 5 V to max. 50 V through DPA adapter for wireless systems

or 48 V phantom power  $\pm 4$  V with DAD600I-BC XLR adapter

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Current consumption

Typ. 1.5 mA (microphone). 3.5 mA with DAD600I-BC XLR Adapter

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Connector

MicroDot

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Color

Black or beige

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Weight

14 g (0.5 oz) incl. Cable and MicroDot connector

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Microphone diameter

5.4 mm (0.21 in)

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Microphone length

17.6 mm (0.7 in)

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Cable length

1.8 m (5.9 ft)

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Cable color

Black or beige

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Cable diameter

2.2 mm (0.09 in)

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Polarity

Positively increasing sound pressure produces positive-going voltage at MicroDot pin (and pin 2 on DAD600I XLR adapter)

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Temperature range

-40°C to 45°C (-40°F to 113°F)

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Relative humidity (RH)

Up to 90%

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