

# 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

20 Hz - 20 kHz, 3 dB soft boost at 5 - 20 kHz

Button-hole mount: 20 Hz - 18 kHz, 5 dB soft boost at 5 - 18 kHz

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

20 mV/Pa; -34 dB re. 1 V/Pa

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Equivalent noise level, A-weighted

Typ. 23 dB(A) re. 20  $\mu$ Pa (max. 26 dB(A))

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

Typ. 35 dB (max. 38 dB)

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

Typ. 71 dB(A)

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Total harmonic distortion (THD)

< 1% up to 123 dB SPL peak, < 1% up to 120 dB SPL RMS sine

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Dynamic range

Typ. 100 dB

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Max. SPL, peak before clipping

134 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, 48 V phantom power  $\pm 4$  V with DAD600I 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, beige, brown or white

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## Weight

8.5 g (0.3 oz) incl. Cable and MicroDot connector

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## Cable length

1.8 m (5.9 ft)

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## Cable color

Black, beige or brown

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## Cable diameter

1.6 mm (0.06 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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