Specifications

Directional pattern

Omnidirectional

Principle of operation

Pressure

Cartridge type

Pre-polarized condenser

Frequency range

20 Hz - 20 kHz

Frequency range, ±2 dB

Soft boost grid: 20 Hz - 20 kHz, 3 dB soft boost at 8 - 20 kHz. High boost grid: 20 Hz - 20 kHz, 10 dB boost at 12 kHz

Sensitivity, nominal, ±3 dB at 1 kHz

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

Equivalent noise level, A-weighted

Typ. 26 dB(A) re. 20 µPa (max. 28 dB(A))

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

Typ. 38 dB (max. 40 dB)

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

Typ. 68 dB(A)

Total harmonic distortion (THD)

< 1% up to 123 dB SPL peak

Dynamic range

Typ. 97 dB

Max. SPL, peak before clipping

144 dB

Output impedance

From MicroDot: 30 - 40 Ω. From DAD6001: 100 Ω

Cable drive capability

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

Output balance principle

Signal balanced with 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)

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

Current consumption

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

Connector

MicroDot

Color

Black or beige

Weight

13 g (0.46 oz) incl. Cable and MicroDot connector

Microphone diameter

5.4 mm (0.21 in)

Microphone length

17.6 mm (0.7 in)

Cable length

1.8 m (5.9 ft)

Cable color

Black or beige

Cable diameter

2.2 mm (0.09 in)

Polarity

Positively increasing sound pressure produces positive-going voltage at MicroDot pin (and pin 2 on DAD6001 XLR adapter)

Temperature range

-40°C to 45°C (-40°F to 113°F)

Relative humidity (RH)

Up to 90%