

4062-BM, 4062 Omnidirectional , XLo-Sens

Tiny mic with big and open sound; high performance under difficult conditions, resistant to humidity and dust, ideal for high sound pressure levels.

The 4062 is available in two colors: black and beige

DPA 4062 is acoustically identical with the 4060, but the sensitivity is adjusted to match some of the more sensitive transmitters on the market. For a cordless microphone, choose from our adapter system or a hardwired connector.

Applications

The 4062 handles high sound pressure levels and is ideal for drums and brass.

Accessories

By changing the supplied grids (one high boost and one soft boost) you can acoustically modify the mic's response according to placement. Additionally, a range of accessories is available, such as different colored windscreens, clips and holders, extension cables, and power supplies.

Wireless microphones

A wide range of connection adapters makes it possible to use DPA miniature microphones with all professional UHF, VHF or digital wireless systems.

DPA has adapters for AKG, Audio Ltd., Audio-Technica, Beyerdynamic, Electro-Voice, Lectrosonics, Micron, Mipro, Pastega, Telex ProStar, Ramsa, Samson, Sennheiser, Shure, Sony, Toa, Vega and other systems. Each adapter for your cordless microphone is guaranteed to perfectly mate to your system of choice.

Specifications

Offering great detail and resolution, the 4062s have a neutral sonic character and are very natural sounding. The 4062 has a very low noise floor, impressive sensitivity and can handle high SPLs. The noise floor of the DPA 4062 is 33 dB(A) re. 20 μ Pa and if powered correctly the microphone will be able to handle sound pressure levels up to 154 dB SPL before clipping occurs. For full technical specs, please click the Specifications tab above.

Related microphones

The DPA 4061, 4062 and 4063 are acoustically identical to the 4061 but have different SPL handling or sensitivity.

For more information please visit:
www.dpamicrophones.com

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Directional characteristics:

Omnidirectional

Principle of operation:

Pressure

Cartridge type:

Pre-polarized condenser element with vertical diaphragm

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:

1 mV/Pa; -60 dB re. 1 V/Pa

Equivalent noise level A-weighted:

Typ. 33 dB(A) re. 20 µPa (max. 37 dB(A))

Equiv. noise level ITU-R BS.468-4:

Typ. 45 dB (max. 49 dB)

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

61 dB(A)

Total harmonic distortion (THD):

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

Dynamic range:

Typ. 90 dB

Max. SPL, peak before clipping:

154 dB

Output impedance:

30 – 40 ohm

Cable drive capability:

Up to 300 m (984 ft)

Power supply:

For wireless systems: Min. 5 V – max. 50 V through DPA adapter. With DAD6001-BC/DAD6024/DAD4099: 48 V phantom power ±4 V for full performance.

Connector:

MicroDot

Color:

Black, brown or beige

Microphone weight:

7.5 g (0.26 oz) incl. cable and MicroDot connector

Microphone diameter:

5.4 mm (0.21 in)

Microphone length:

Max. 12.7 mm (0.5 in)

Cable length:

1.8 m (5.9 ft)

Cable diameter:

1.6 mm (0.06 in)

Polarity:

Positively increasing sound pressure produces positive going voltage on MicroDot pin

Operating temperature range:

-40 °C to 45 °C (-40 °F to 113 °F)

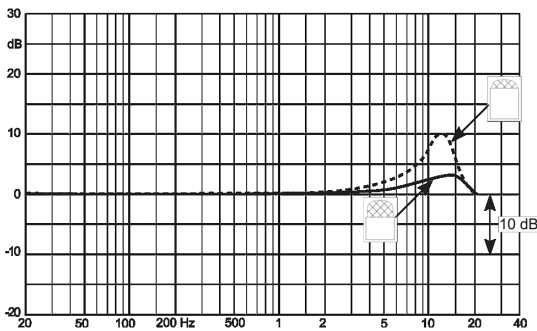
Relative Humidity (RH):

Up to 90%

Diagrams

4062-BM, 4062 Omnidirectional , XLo-Sens

On-axis frequency response of Miniature Microphones. Dotted line is with high boost grid and solid line with soft boost grid.



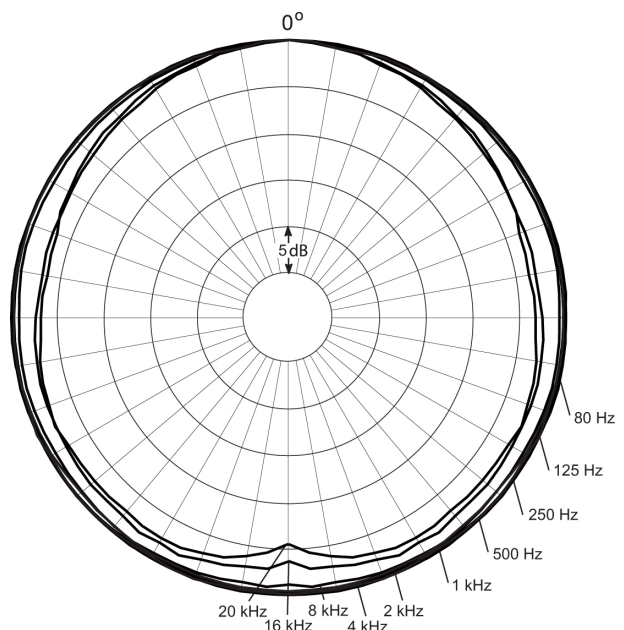
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Directional Characteristics of DPA 4062 (normalized)



Directional Characteristics of DPA 4062 (normalized)