



4066-C, DPA 4066 Omnidirectional Headset Microphone

The 4066 is a flexible miniature microphone solution that features very easy and fast adjustment.

- use it for both left and right mounting
- resistant to humidity
- works with all professional wireless systems
- available in three colors and three sizes

The 4066 is a flexible miniature microphone solution that features very easy and fast adjustment. The headset construction is unique in design, offering both left and right mounting and color change. It is also possible to use the MMB4066 Miniature Microphone Boom, Omnidirectional, separately, in applications where the headset is not needed.

The 4066 offers a clean and transparent sound quality with lots of headroom.

Attention has been paid to the humidity problems that often occur in theatrical applications. A double vent protection system, a drop stopper on the microphone boom, together with water resistant materials inside the microphone, makes it more than difficult for the humidity to cause the microphone to fail. The headset surface is matte gold plated and the earhooks are covered with a silicone hose.

The sensitivity is 6 mV/Pa to match the level of the human voice to the general input sensitivity of most wireless transmitters. If powered correctly the microphone will be able to handle sound pressure levels up to 144 dB SPL before clipping occurs.

A wide range of connection adapters makes it possible to use the 4066 with most of the professional wireless systems available plus 48 V phantom XLR connection.

The chosen headset mic for theaters on Broadway and West End, 4066 is available in three colors (black, beige, brown) and three sizes (small, medium, large).

What is in the box:

- Microphone (boom, headband, cable)
- A high-boost grid
- A soft-boost grid
- Five foam windscreens

This mic is also available with connector.

4067 – a low DC and extra low sensitivity variant Available in black and beige, left and right mounting, the 4067 is a low DC and extra low sensitivity version of the 4066.

The sensitivity is adjusted to 1mV/Pa and the DC offset in the FET lowered, making matching to systems delivering down to 3 V power supply possible.

If powered correctly, the microphone will be able to handle sound pressure levels up to 154 dB SPL before clipping occurs.

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:

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

Equivalent noise level, A-weighted:

Typ. 26 dB(A) re. 20 μ Pa (max. 28 dB(A))

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

Typ. 38 dB (max. 40 dB)

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

68 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. 97 dB

Max. SPL, peak before clipping:

144 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:

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

Microphone diameter:

5.4 mm (0.21 in)

Cable length:

1.2 m (3.9 ft)

Cable diameter:

1.6 mm (0.06 in)

Polarity:

Positively increasing sound pressure produces positive going voltage on MicroDot pin

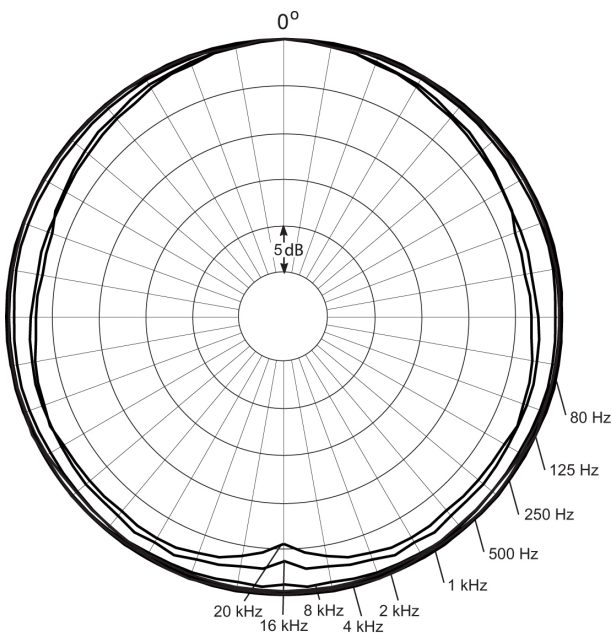
Operating temperature range:

-10 to 45°C (14 to 113°F)

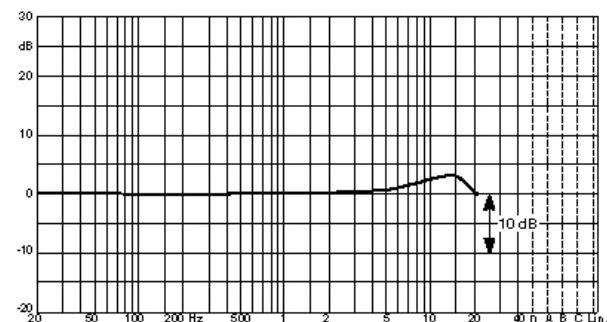
Diagrams

4066-C, DPA 4066 Omnidirectional Headset Microphone

Directional Characteristics of DPA 4066 (normalized)



Frequency response of the DPA 4066



DPA
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MICROPHONES

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