

4088-B, d:fine™ 4088 Directional Headset Microphone

The best sounding directional headworn microphone on the market, the smooth and elegant 4088 is also the most invisible headworn cardioid microphone.

The mechanical design is based on the proven quality of the 4066 headset microphone. The headset mount is exactly the same; the boom however is 3 centimeters longer in order to meet the need for placement at the corner of the mouth. The flexibility and stability of this construction is unique and has no equal.

Available in three colors: black, beige and brown, and also available with connector.

Video: DPA 4088 cardioid headband on singer

- open and natural sound
- unequalled flexibility and stability
- available in three colors and three sizes

What is in the box:

- Microphone (boom, headset, cable)
- A pre-mounted pop screen
- Five foam windscreens (similar to DUA0560)

DPA 4088 is a miniature cardioid headset mic built on the finest DPA experiences in microphone design and manufacturing, providing the best sounding directional headworn microphone available today for performing talent of various sorts.

For more information please visit:
www.dpamicrophones.com

Open, natural and reliable are the most describing words for this microphone. The high quality of the microphone itself means that you will hear the sound of the voice right away - not the microphone. In acoustically demanding live performance environments, where background noise and feedback is a concern, the 4088 will tackle these challenges with ease.

The smooth and elegant design of the 4088 makes it the most invisible headworn cardioid microphone today. Sound quality, visual elegance and versatility go hand in hand to transform every show into the performance of a lifetime. The capsule is a pre-polarized first order pressure gradient transducer, hidden in a small and lightweight housing with dimensions just slightly larger than our omni capsules.

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Directional characteristics:

Cardioid

Principle of operation:

Pressure gradient

Cartridge type:

Pre-polarized condenser element with vertical diaphragm

Frequency range, ± 2 dB:

100 Hz – 20 kHz (4 – 6 dB soft boost at 15 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))

Equivalent 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 % up to 123 dB SPL peak; < 1 % 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:

5.5 mm (0.25 in)

Microphone length:

11 mm (0.5 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

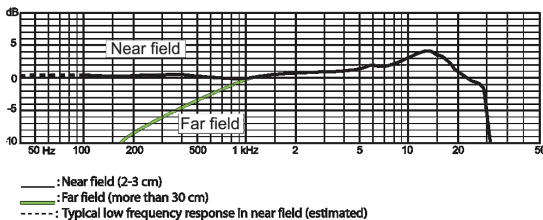
Operating temperature range:

-10 to 45 °C (14 to 113 °F)

Diagrams

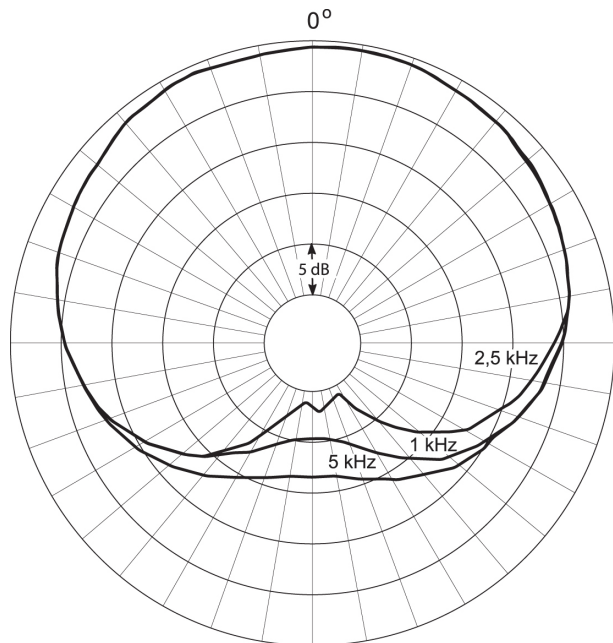
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Frequency response of the DPA 4088



Frequency response of the DPA 4088

Directional Characteristics of DPA 4088



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