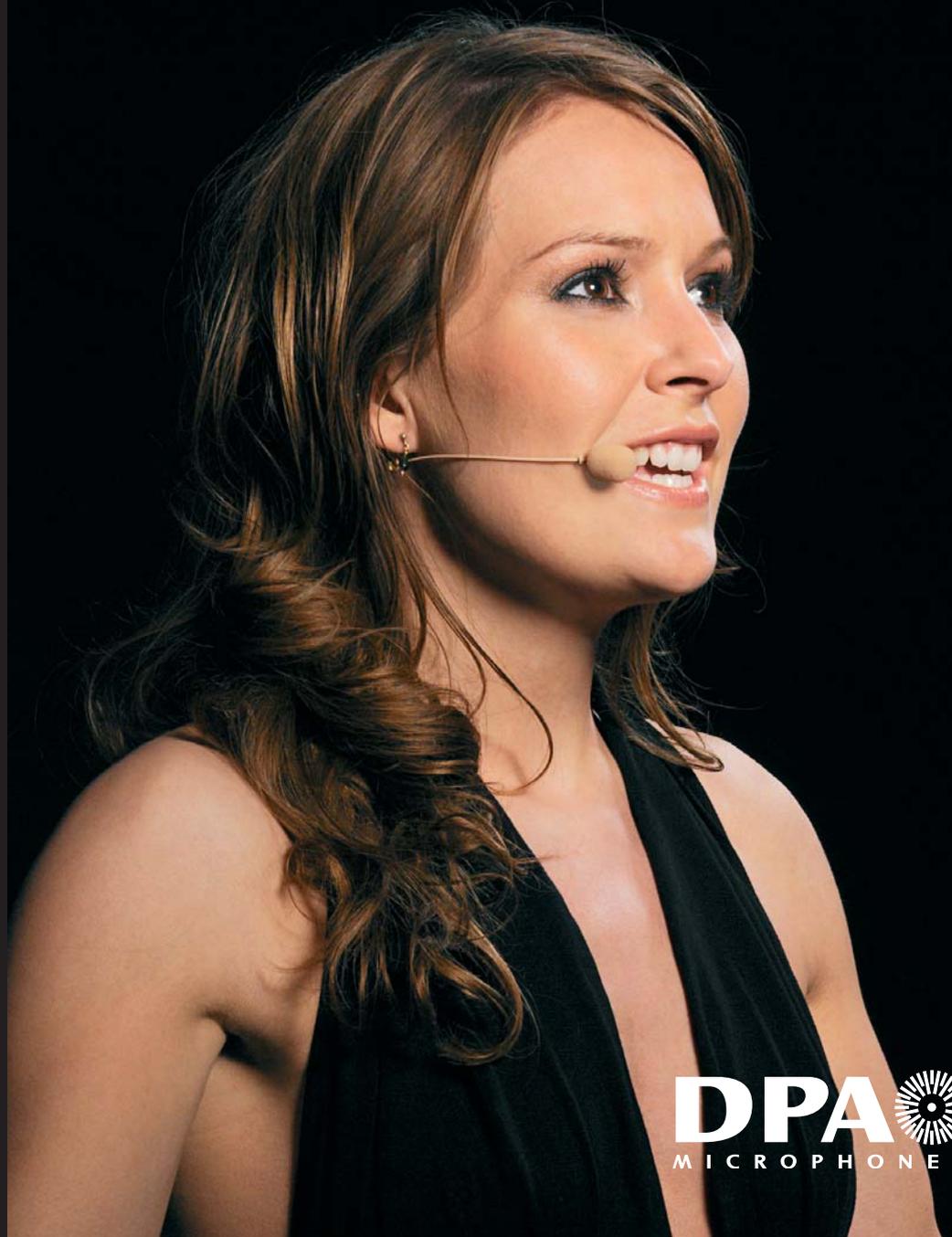


DPA 
MICROPHONES

DPA Microphones A/S
Gydevang 42-44
DK-3450 Allerød, Denmark
Tel: +45 4814 2828
Fax: +45 4814 2700
info@dpamicrophones.com
www.dpamicrophones.com

United States:
DPA Microphones, Inc.
691 Gray Mountain Drive
Lyons, CO 80540
303-823-8878
303-823-5830 (fax)
info-usa@dpamicrophones.com
www.dpamicrophones.com



DPA 
MICROPHONES

Cardioid Headband 4088

Designed for acoustically demanding live performance, the all-new DPA 4088 cardioid headband mic is the clear winner. Small and lightweight, just 14 grams (1/2 oz), no other headband offers such a secure and comfortable fit. Quality construction, the use of moisture resistant materials and compatibility with all leading professional wireless systems, makes the DPA 4088 the ultimate miniature to maximize live performance.

The 4088 is a miniature cardioid headband which has an open, clear and natural sound which usually does not need equalization as you will hear the sound of the voice right away - not the microphone.

In high SPL events and when feedback is a concern, the 4088 will tackle these challenges with ease.

The capsule is hidden in a small and ultralight-weight housing. The bass response is designed for optimal linearity at 2-3 centimeters (about 1 inch) from the sound source. This means that the bass roll-off will be relatively prominent at a greater distance - a paramount factor when it comes to rejection of background noise and in the fight to avoid feedback.

The mechanical design is based on the proven construction quality of the 4066 headband microphone. The headband mount is exactly the same, however the boom is 3 centimetres longer, to match the need for placement at the corner of the mouth. To avoid "popping", the element should not be put directly in front of the mouth. The sound timbre and

sound pressure level is as good at the side of the mouth as it is in the front. Sound quality, visual elegance and versatility go hand in hand to transform every show into the performance of a lifetime.



Specifications 4088

Directional characteristics:

Cardioid

Cartridge type:

Pre-polarized condenser element with vertical diaphragm

Principle of operation:

Pressure gradient

Power supply:

Min 5 V - max 50 V through DPA adapter

Frequency range:

20 Hz-20 kHz (+/- 2 dB between 500 Hz and 20 kHz; 4-6 dB soft boost at 15 kHz)

Sensitivity (± 3 dB at 1kHz):

Nominally 6 mV/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)

Max SPL:

144 dB SPL before clipping

Total Harmonic Distortion (<1%THD)

123 dB SPL peak
120 dB SPL RMS sine

Polarity:

Positive going sound pressure produces positive going voltage on MicroDot pin

Operating temperature range:

-10 to 45° C (+14 to 113° F)

Output impedance:

30-40 Ohm

Cable drive capability:

Up to 300 m (984 ft)

Microphone length:

11 mm (0.5 in)

Microphone diameter:

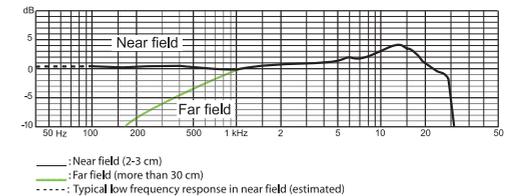
5.5 mm (0.25 in)

Weight:

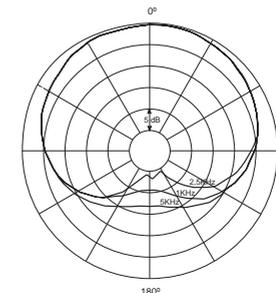
14 g (1/2 oz.) incl. cable and MicroDot connector

Finish:

Black or beige



Typical on-axis frequency response of Cardioid Headband 4088



Polar pattern. Directional characteristics of Cardioid Headband 4088