

### 4060-BM, 4060 Omnidirectional, Hi-Sens

Tiny mic with neutral sound character and great detail; large dynamic range, low noise and high sensitivity, fits numerous transmitters.

Originally designed for use with wireless systems in theater, television and close-miked instrument applications, the highly unobtrusive 4060 capsule is visually smaller than a pencil eraser.

Because of their small size, these tiny condensers exhibit an exceedingly accurate omnidirectional pattern and therefore do not need to be aimed directly at the sound source to achieve quality pickup.

The 4060 is available in four colors: black, brown, beige and white.

For a wireless microphone, choose between our adapter system or a hardwired connector.

#### Applications

Excellent speech and vocal mics, DPA miniatures are de facto theatre standards. Musicians and engineers use them as live or studio microphones for close-miking acoustic string instruments like violin, guitar, bass, viola and harp. On television, DPA's small condenser microphones are popular as lavalier lapel and tie clip mics.

#### Accessories

Two grids are supplied (one high boost and one soft boost) and by changing these grids you can acoustically modify the microphone's response according to their placement on the body - the chest, the head etc. Additionally, a wide range of accessories is available, such as windscreens in different colors, 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 system available plus 48 V Phantom.

DPA has specific 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 4060s have a neutral sonic character and are very natural sounding. The 4060 has a very low noise floor, impressive sensitivity and can handle high SPLs. For full technical specs, please click the Specifications tab above.

#### Related microphones

The DPA 4061, 4062 and 4063 are acoustically identical to the 4060 but have been adjusted to handle higher SPL and to match some of the more sensitive transmitters on the market. The 4060 is also included in stereo and instrument microphone kit solutions.

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For more information please visit:  
[www.dpamicrophones.com](http://www.dpamicrophones.com)

# 4060-BM, 4060 Omnidirectional, Hi-Sens

**Directional characteristics:**

Omnidirectional

**Principle of operation:**

Pressure

**Cartridge type:**

Pre-polarized condenser element with vertical diaphragm

**Frequency range,  $\pm 2$  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,  $\pm 3$  dB at 1 kHz:**

20 mV/Pa; -34 dB re. 1 V/Pa

**Equivalent noise level A-weighted:**

Typ. 23 dB(A) re. 20  $\mu$ Pa (max. 26 dB(A))

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

Typ. 35 dB (max. 38 dB)

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

71 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. 100 dB

**Max. SPL, peak before clipping:**

134 dB

**Output impedance:**

30 – 40 ohm

**Cable drive capability:**

Up to 300 m (984 ft)

**Power supply:**

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

**Connector:**

MicroDot

**Color:**

Black, beige, brown or white

**Microphone weight:**

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

**Microphone diameter:**

5.4 mm (0.21 in)

**Microphone length:**

12.7 mm (0.5 in)

**Cable length:**

1.8 m (5.9 ft)

**Polarity:**

Positively increasing sound pressure produces positive going voltage on MicroDot pin

**Temperature range:**

-40 °C to 45 °C (-40 °F to 113 °F)

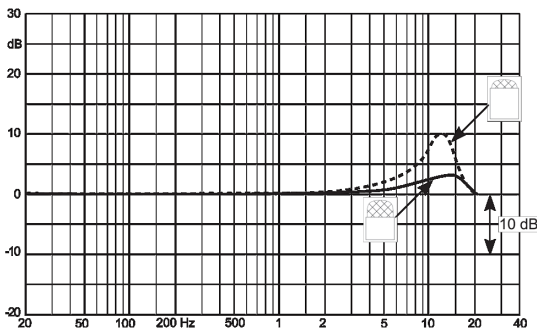
**Relative Humidity (RH):**

Up to 90%

## Diagrams

### 4060-BM, 4060 Omnidirectional, Hi-Sens

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



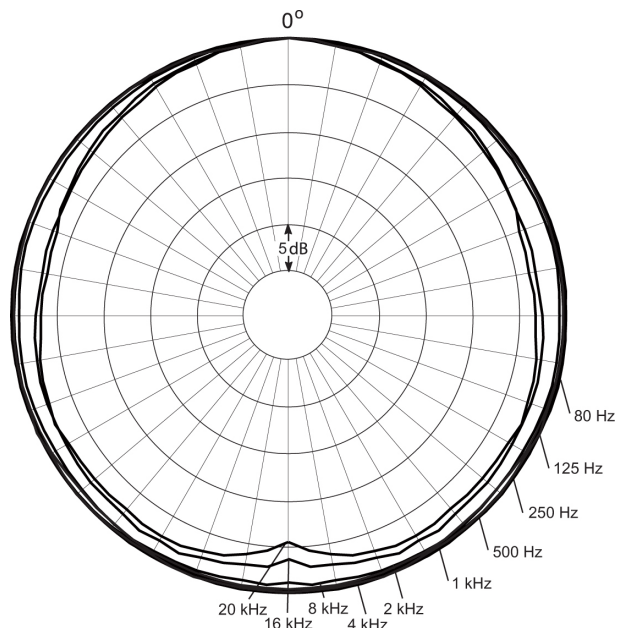
On-axis frequency response of Miniature Microphones. Dotted line is with high boost grid and solid line with soft boost grid.



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Directional Characteristics of DPA 4060 (normalized)



Directional Characteristics of DPA 4060 (normalized)