



#### 4063-BM, 4063 Omnidirectional, Lo-Sens & DC

Tiny mic with big and open sound; high performance under difficult conditions, lower sensitivity, matches low voltage systems.

Designed for use with wireless systems in theatres, television, and close-miked instrument applications, these tiny condenser mics are omnidirectional and therefore do not need to be aimed directly at the sound source. The 4063 is available in three colors: black, beige and white.

DPA 4063 is acoustically identical with the DPA 4061, but the FET preamp in the input stage is designed for working with the lower supply voltage. For a cordless microphone, choose between our adapter system or a hardwired connector.

#### Applications

Musicians and engineers use them as live or studio microphones for close-miking acoustic string instruments. With broadcasters, the small condenser microphones are popular as lavalier and tie mics.

#### Accessories

Two different protection grids are supplied and by changing these grids you can acoustically modify the microphone's response according to their placement on the body. Additionally, a wide range of accessories is available, such as 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 wireless systems 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 4063s have a neutral sonic character and are very natural sounding. The 4063 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 4060, 4061, and 4062 are acoustically identical to the 4063 but have different SPL handling or sensitivity.

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

# 4063-BM, 4063 Omnidirectional, Lo-Sens & DC

**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:**

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

**Equivalent noise level A-weighted:**

Typ. 26 dB(A) re. 20  $\mu$ 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:**

138 dB

**Output impedance:**

30 – 40 ohm

**Cable drive capability:**

Up to 300 m (984 ft)

**Power supply:**

For wireless systems: Min. 3 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:**

Max. 12.7 mm (0.5 in)

**Cable length:**

1.8 m (6 ft)

**Cable diameter:**

1.6 mm (0.06 in)

**Polarity:**

Positively increasing sound pressure produces positive going voltage on MicroDot pin

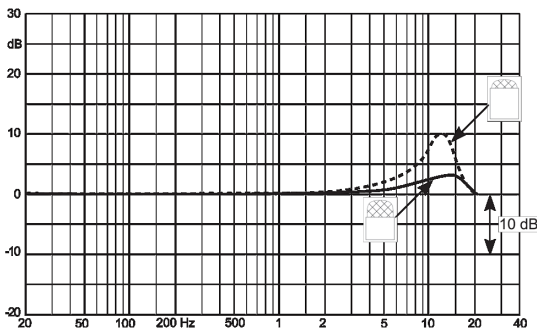
**Operating temperature range:**

-10 to 45°C (14 to 113°F)

## Diagrams

### 4063-BM, 4063 Omnidirectional, Lo-Sens & DC

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



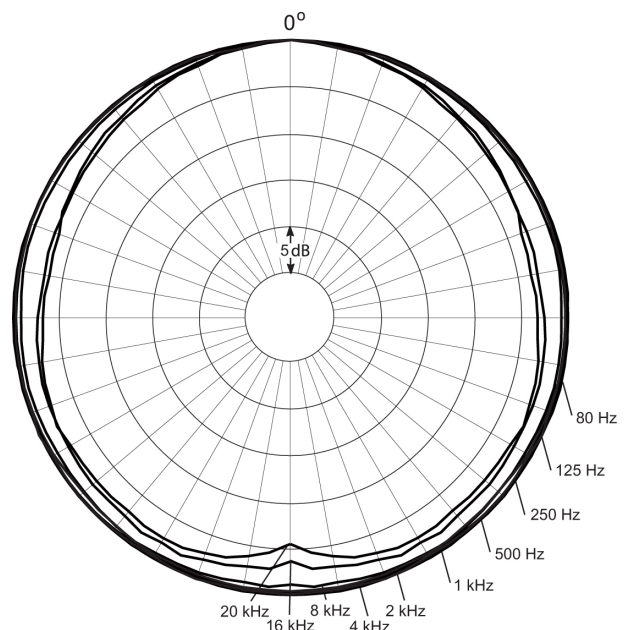
On-axis frequency response of Miniature Microphones. Dotted line is with high boost grid and solid line with soft boost grid.



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Directional Characteristics of DPA 4063 (normalized)



Directional Characteristics of DPA 4063 (normalized)