

d:screet™



4063-BM, d:screet™ 4063 Omnidirectional Microphone, Lo-Sens & DC

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

Order#: SC4061

The New d:screet™ 4063 Miniature Microphones are the versatile workhorses that adapts to your needs. With eminent sound quality, a large range of accessories, and adapters available for all pro wireless systems, the d:screet Miniature Mics are the obvious choice for any application requiring a big sound and a small footprint. Originally designed for use with wireless systems in theater, television and close-miked instrument applications, the d:screet™ 4063 Miniature Omnidirectional Microphone is highly unobtrusive. Because of its 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. d:screet™ 4063 is acoustically identical to the 4060, but the FET preamp in the input stage is designed for working with the lower supply voltage.

The New d:screet™ 4063 Miniature Omnidirectional Microphones are available in four colors: black, brown, beige and white.

Key features

- Extremely rugged and reliable
- Exceptional audio quality with low noise and high sensitivity
- Adapts to all pro wireless systems
- Large selection of accessories

Industry leading sound quality

With very low noise and an extremely high sensitivity, the d:screet™ Miniature Mics offer the most clear, transparent, and natural sound available on the miniature mic market. The mics are capable of handling up to 138 dB peak before clipping, and with a linear response and low distortion and an extremely large dynamic range, they sound great no matter the application.

A durable package

The d:screet™ 4063 Miniature Mics are designed to withstand the toughest of conditions. Our unique Double Vent Protection System allows for a great resistance to humidity and sweat. Our d:screet

Miniature Omnidirectional Mics design features a reinforced cable relief which is built to withstand the constant twists, bends, and pulls that are part of the everyday use. With a gold treated diaphragm and microphone housing plus a kevlar reinforced cable, the d:screets are made to endure. The d:screet 4063 Miniature Omnidirectional Microphones are the reliable workhorse you can count on.

Flexibility and wireless adaptability

The d:screet™ Miniature Microphones are the versatile workhorses that adapts to your needs. With eminent sound quality, a large range of accessories, and adapters available for all pro wireless systems, the d:screet Miniature Mics are the obvious choice for any application requiring a big sound and a small footprint. The d:screet™ Miniature Microphones and accessories allow for a broad range of applications. Whether reproducing the voice or an instrument in either a film, theater, television, or other close-miking settings, the mics will not disappoint. Related microphones

d:screet™ 4060, 4061 and 4062 are acoustically identical to the 4063 but have different SPL handling or sensitivity. The original d:screet™ 4063 Miniature Mics without the reinforced cable relief are still available upon request.

For more information please visit:
www.dpamicrophones.com

4063-BM, d:screet™ 4063 Omnidirectional Microphone, Lo-Sens & DC

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 µPa (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 ±4 V for full performance.

Connector:

MicroDot

Color:

Black, beige, 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:

-40 °C to 45 °C (-40 °F to 113 °F)

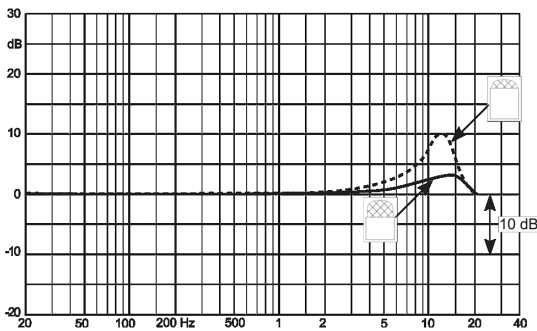
Relative Humidity (RH):

Up to 90%

Diagrams

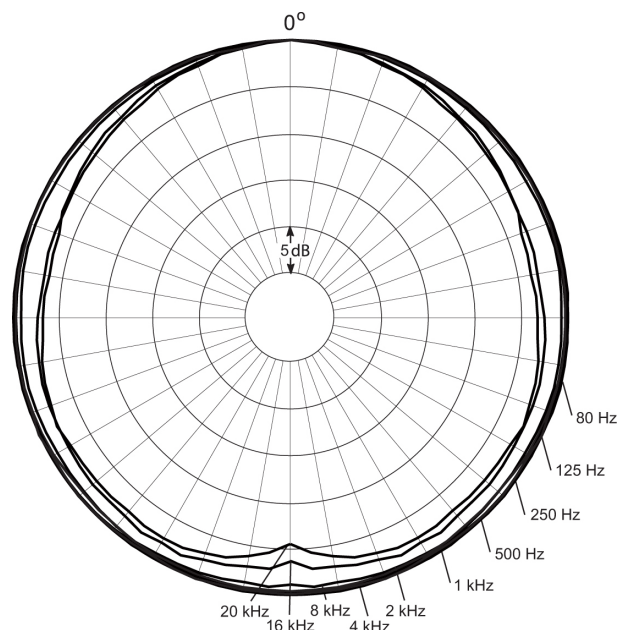
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On-axis frequency response of Miniature Microphones. Dotted line is with high boost grid and solid line with soft boost grid.



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

Directional Characteristics of DPA 4063 (normalized)



Directional Characteristics of DPA 4063 (normalized)



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