

MMC4015, MMC4015 Wide Cardioid Microphone Capsule

Modular flexibility
The MMC4015 capsule is part of the flexible DPA Reference Standard series. The 4015A with the MMP-A preamplifier suits acoustic instruments and voices with rich and open sound, where the 4015C with the MMP-C compact preamplifier is an excellent spot mic as a fill-in between an omni and a cardioid – and easier to position. Expand your horizon with a wider pattern

If you are already a DPA 4011 devotee, you will discover an exciting alternative in our wide cardioid microphones. The MMC4015 wide cardioid capsule differs in its polar pattern and is the perfect fill-in between an omni and a more directional microphone.

Sometimes a conventional cardioid pattern just isn't quite open enough, such as when recording instruments with complex radiation patterns. In those instances, the generous polar pattern of our wide cardioids allows you to pick up a broader sound field and more accurately capture the full breadth of a stirring performance.

For more information please visit:
www.dpamicrophones.com

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Directional pattern:

Wide cardioid

Principle of operation:

Pressure gradient

Cartridge type:

Pre-polarized condenser

Frequency range:

20 Hz to 20 kHz

Frequency range, ± 2 dB:

40 Hz to 20 kHz

Sensitivity, nominal, ± 2 dB at 1 kHz:

10 mV/Pa; -40 dB re. 1 V/Pa

Equivalent noise level, A-weighted:

Typ. 18 dB(A) re. 20 µPa (max. 20 dB)

Equivalent noise level, ITU-R BS.468-4:

Typ. 25 dB

S/N ratio (A-weighted), re. 1 kHz at 1 Pa (94

dB SPL):

Typ. 76 dB(A)

Color:

Matte black

Weight:

18 g (0.6 oz)

Diameter:

19 mm (0.75 in)

Capsule size:

19 mm (0.75 in)

Length:

23 mm (0.9 in)

Temperature range:

-40 °C to 45 °C (-40 °F to 113 °F)

Relative Humidity (RH):

Up to 90 %

Matching tolerance:

± 1 dB

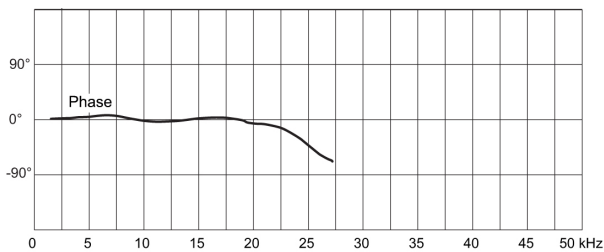
Phase deviation for kit:

< 10°

Diagrams

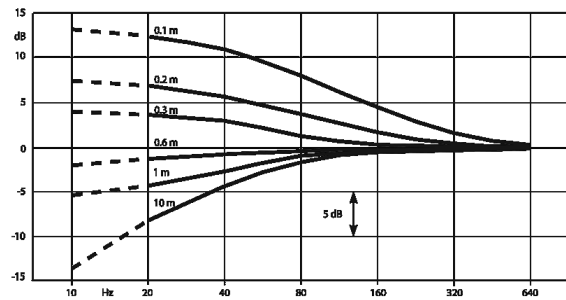
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Phase response of DPA MMC4015



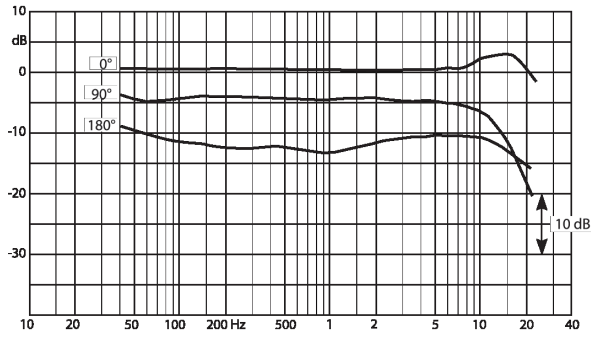
Phase response of DPA MMC4015

The proximity effect exhibited by the DPA MMC4015

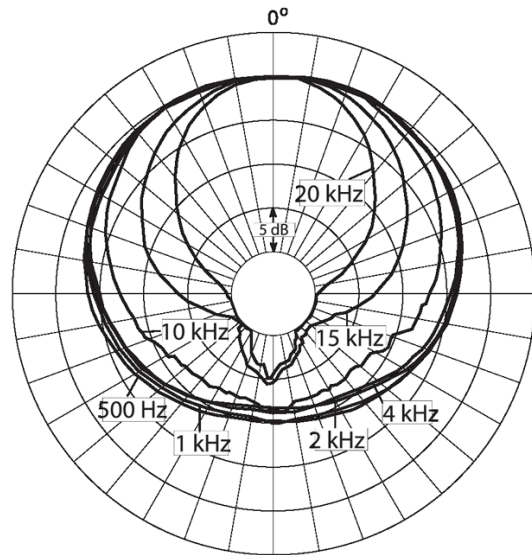


The proximity effect exhibited by the DPA MMC4015

On and off axis frequency response of DPA MMC4015 measured Directional characteristics of DPA MMC4015 (normalized) at 60 cm



On and off axis frequency response of DPA MMC4015 measured at 60 cm



Directional characteristics of DPA MMC4015 (normalized)



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