



MMC4006, MMC4006 Omni Microphone Capsule

Modular flexibility
The MMC4006 capsule is part of the flexible DPA Reference Standard series. The 4006A with the MMP-A preamplifier is a legendary recording classic with natural tone and dynamics, where the 4011C with the MMP-C compact preamplifier provides neutral sonic and visual design for reproducing acoustic environments.
Several tools in one

A wide selection of acoustic modification accessories, including nose cone and interchangeable protection grids, allows the MMC4006 capsule to be acoustically transformed into seven different microphone versions, making it the most multifaceted mic in your collection and a tremendous value.

By simply changing a grid or mounting an element over the capsule, it is possible to gain several unique frequency responses and directional characteristics from a single mic. Furthermore, these grids and elements will not produce any phase shift, noise or distortion that would otherwise be introduced by an electrical filter.

For more information please visit:
www.dpamicrophones.com

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Directional pattern:
Omnidirectional

Principle of operation:
Pressure

Cartridge type:
Pre-polarized condenser

Frequency range:
10 Hz to 20 kHz

Frequency range, ± 2 dB:
10 Hz to 20 kHz

Sensitivity, nominal, ± 2 dB at 250 Hz:
40 mV/Pa; -28 dB re. 1 V/Pa

Equivalent noise level, A-weighted:
Typ. 15 dB(A) re. 20 μ Pa (max. 17 dB(A))

Equivalent noise level, ITU-R BS.468-4:
Typ. 27 dB (max. 29 dB)

S/N ratio (A-weighted), re. 1 kHz at 1 Pa (94 dB SPL):
Typ. 79 dB(A)

Color:
Matte black

Weight:
23 g (0.8 oz)

Diameter:
16 to 19 mm (0.6 to 0.75 in)

Capsule diameter:
16 mm (0.6 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 %

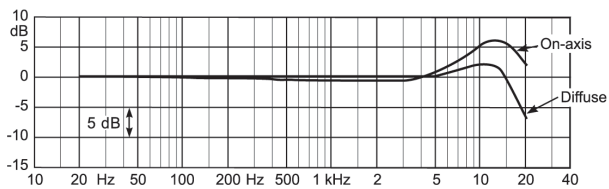
Matching tolerance:
 ± 0.5 dB

Phase deviation for kit:
< 5°

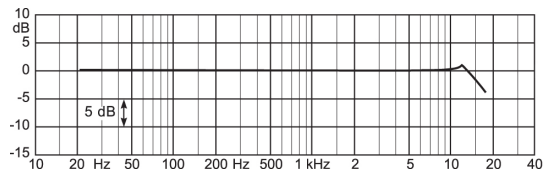
Diagrams

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On-axis and diffuse-field responses of DPA MMC4006 with the Diffuse-field Grid DD0297 fitted



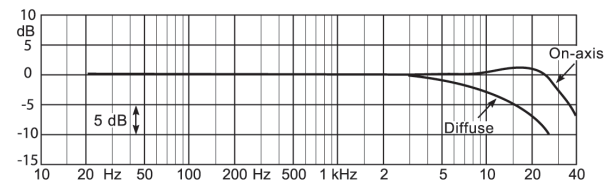
On-axis response of DPA MMC4006 with Close-miking Grid DD0254



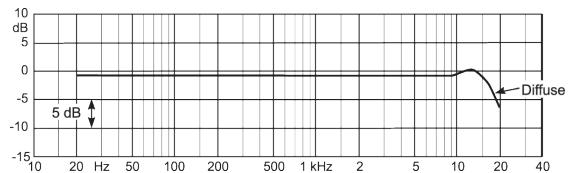
On-axis response of DPA MMC4006 with Close-miking Grid DD0254

On-axis and diffuse-field responses of DPA MMC4006 with the Diffuse-field Grid DD0297 fitted

On-axis and diffuse-field responses of DPA MMC4006 with the Near-field Grid DD0251 fitted



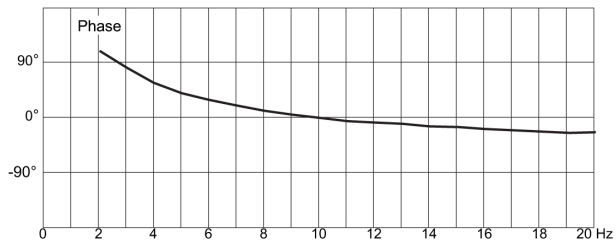
Diffuse-field response of DPA MMC4006 with Nose Cone UA0777



Diffuse-field response of DPA MMC4006 with Nose Cone UA0777

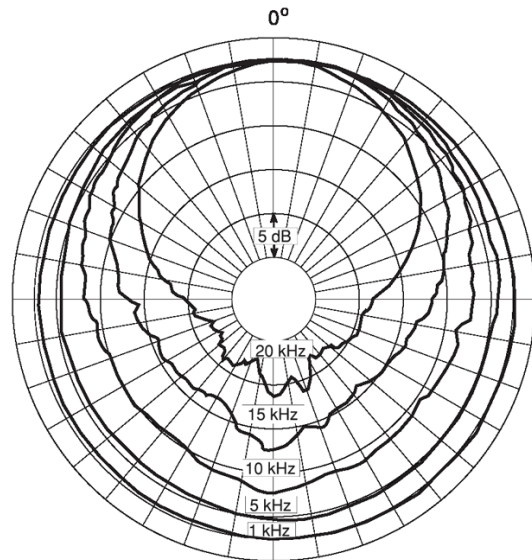
On-axis and diffuse-field responses of DPA MMC4006 with the Near-field Grid DD0251 fitted

On-axis phase response of DPA MMC4006 plotted using a linear frequency axis for evaluation of the phase response

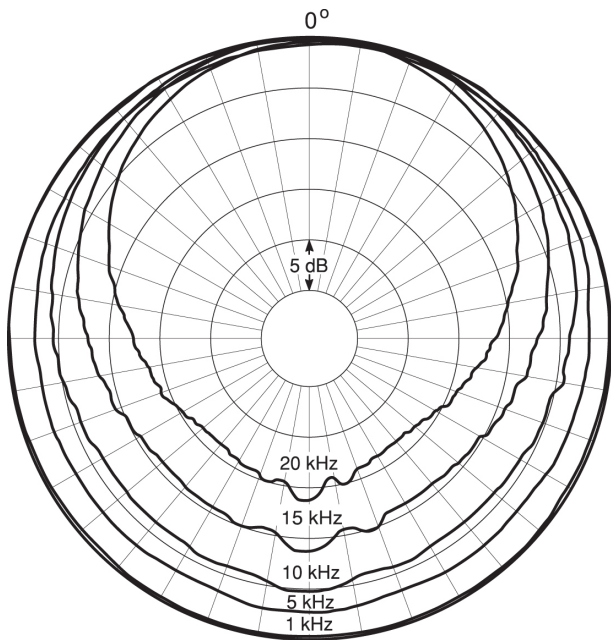


On-axis phase response of DPA MMC4006 plotted using a linear frequency axis for evaluation of the phase response

Directional characteristics of DPA MMC4006 with Free-field Grid DD0251 fitted (normalized)

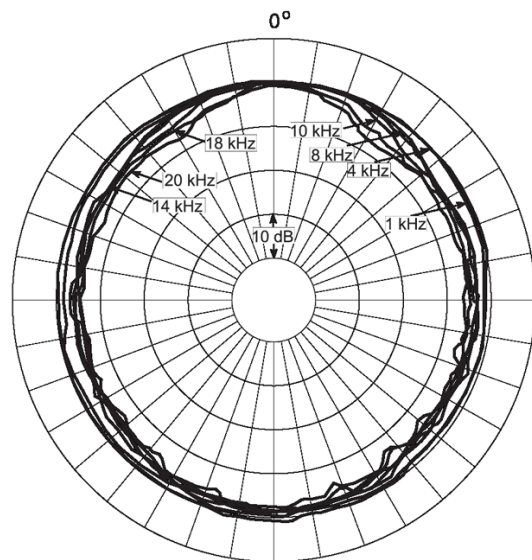


Directional characteristics of DPA MMC4006 with Close-miking Grid DD0254



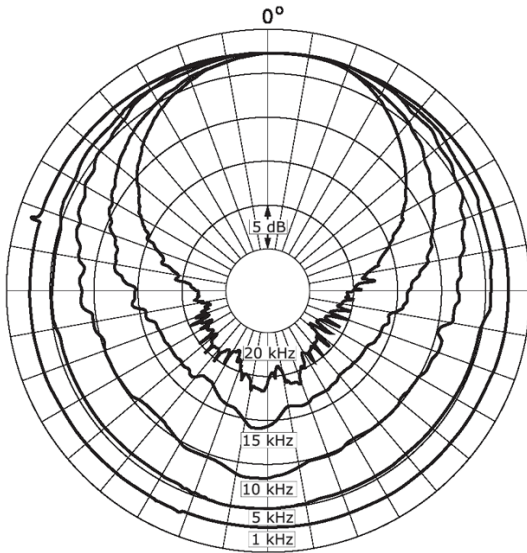
Directional characteristics of DPA MMC4006 with Close-miking Grid DD0254

Directional characteristics of DPA MMC4006 with Free-field Grid DD0251 fitted (normalized)
Directional characteristics of DPA MMC4006 with Nose Cone UA0777 fitted (normalized)



Directional characteristics of DPA MMC4006 with Nose Cone UA0777 fitted (normalized)

Directional characteristics of DPA MMC4006 fitted with DD0297
(normalized)



Directional characteristics of DPA MMC4006 fitted with DD0297 (normalized)



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