



4006-TLX, 4006-TLX Microphone Upgrade for 4006-TL

Upgrade your 4006 to the 4006-TL, a new version of the classic mic with transformerless preamplifier and new state-of-the-art components.

Upgrade your 4006 to the 4006-TL, a new version of the classic mic with transformerless preamplifier and new state-of-the-art components.

The 4006-TL builds on the same capsule and acoustical design of the original while being equipped with a transformerless preamplifier, as opposed to the transformer technology in the 4006, and is powered via a standard 48 V phantom power supply. This design increases the sensitivity and provides an extended low frequency handling capability (15 Hz to 20 kHz ± 2 dB).

Under the upgrade programme you will trade-in your 4006 and receive a factory-based retrofitting to the DPA 4006-TL with transformerless preamplifier, close-miking grid, DPA 4006-TL type ring, calibration chart and new mic case.

The 4006-TL upgrade programme provides our many 4006 fans with the chance to upgrade inexpensively to an even cleaner approach to authentic sound reproduction.

Contact your nearest DPA representative to order your 4006-TL upgrade.

For more information please visit:
www.dpamicrophones.com

4006-TLX, 4006-TLX Microphone Upgrade for 4006-TL

Directional characteristics:

Omnidirectional

Principle of operation:

Pressure

Cartridge type:

16 mm (0.63 in) pre-polarized condenser

Frequency range, ± 2 dB:

15 Hz - 20 kHz

Sensitivity, nominal, ± 2 dB:

35 mV/Pa; -29 dB re. 1 V/Pa

Equivalent noise level A-weighted:

Typ. 15 dB(A) re. 20 μ Pa (max. 17 dB(A))

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

Typ. 27 dB (max. 29 dB)

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

79 dB

Total harmonic distortion (THD):

<0.5% THD up to 129 dB SPL peak, <1% THD up to 135 dB SPL peak

Dynamic range:

Typ. 120 dB

Max. SPL, peak before clipping:

143 dB

Output impedance:

<200 ohm

Cable drive capability:

Up to 100 m (328 ft)

Power supply:

Phantom P48

Connector:

3-pin XLR-M (Standard P48)

Weight:

150 g (5.29 oz)

Capsule diameter:

16 mm (0.63 in)

Microphone length:

165 mm (6.5 in)

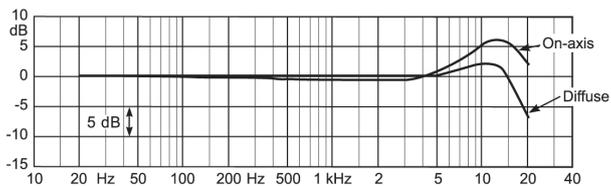
Operating temperature range:

-40 to +70° C (-40 to 158° F)

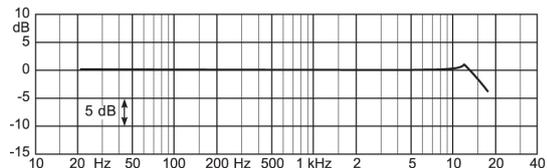
Diagrams

4006-TLX, 4006-TLX Microphone Upgrade for 4006-TL

On-axis and diffuse-field responses of DPA 4006-TL and 3506 with the Diffuse-field Grid DD0297 fitted.



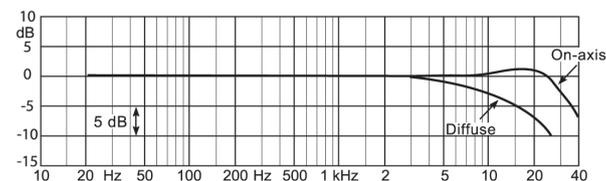
On-axis response of DPA 4006-TL with Close-miking Grid DD0254



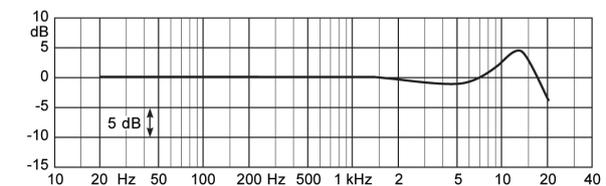
On-axis response of DPA 4006-TL with Close-miking Grid DD0254

On-axis and diffuse-field responses of DPA 4006-TL and 3506 with the Diffuse-field Grid DD0297 fitted.

On-axis and diffuse-field responses of DPA 4006-TL and 3506 with the Near-field Grid DD0251 fitted.



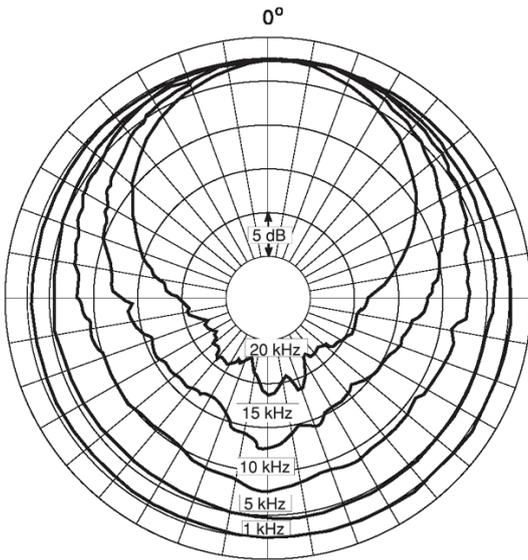
Diffuse-field response of DPA 4006-TL and 3506 with Nose Cones UA0777 fitted.



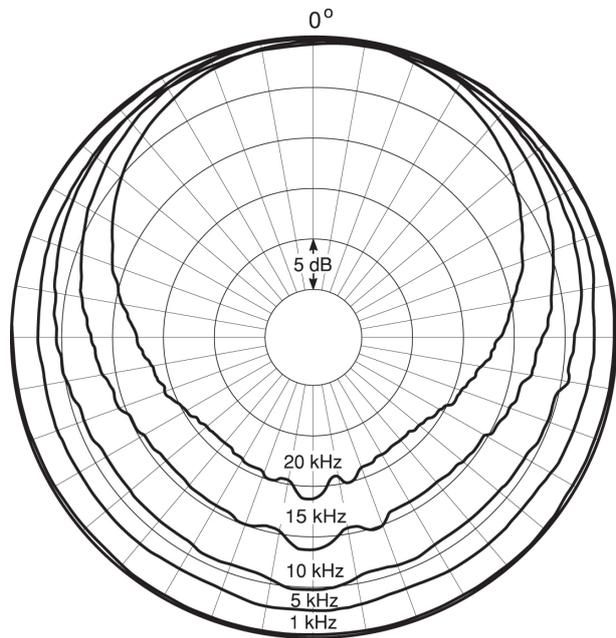
On-axis and diffuse-field responses of DPA 4006-TL and 3506 with the Near-field Grid DD0251 fitted.

Diffuse-field response of DPA 4006-TL and 3506 with Nose Cones UA0777 fitted.

Directional characteristics of DPA 4006-TL and 3506 with Free-field Grid DD0251 fitted (normalized).

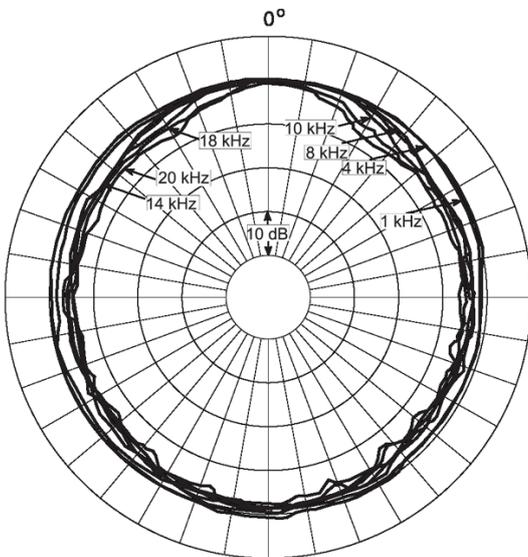


Directional Characteristics of DPA 4006-TL with Close-miking Grid DD0254



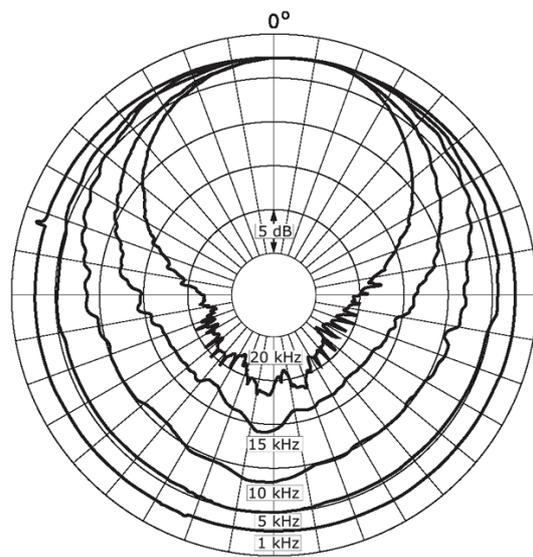
Directional characteristics of DPA 4006-TL and 3506 with Free-field Grid DD0251 fitted (normalized).

Directional characteristics of DPA 4006-TL and 3506 with Nose Cone UA0777 fitted (normalized).



Directional Characteristics of DPA 4006-TL with Close-miking Grid DD0254

Directional characteristics of DPA 4006-TL and 3506 fitted with DD0297 (normalized).



Directional characteristics of DPA 4006-TL and 3506 with Nose Cone UA0777 fitted (normalized).

Directional characteristics of DPA 4006-TL and 3506 fitted with DD0297 (normalized).



Headquarters:
 DPA Microphones A/S
 Gydevang 42- 44
 DK-3450 Allerød, Denmark
 Tel: +45 4814 2828
 Fax: +45 4814 2700
 info@dpamicrophones.com
 www.dpamicrophones.com

United States:
 DPA Microphones, Inc.
 2432 N. Main St., Suite 200
 Longmont, CO 80501, USA
 Tel: +1 303- 485-1025
 Fax: +1 303- 485-6470
 info-usa@dpamicrophones.com
 www.dpamicrophones.com