

## 4006C Compact Omni Microphone

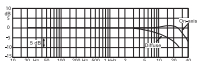
A combination of the MMC4006 microphone capsule and the MMP-C preamplifier, the 4006C is part of the modular DPA Reference Standard series.

### GRIDS

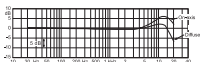
The 4006C is supplied with three different grids that are used to change characteristics of the microphone acoustically. Be extremely careful not to touch the exposed diaphragm when switching grids. Do not attempt to remove dust as it will not affect the performance of the microphone.



The pre-mounted silver near-field grid (DD0251) exhibits neutral frequency response when used in near sound field (direct sound field).



The black diffuse-field grid (DD0297) offers recording accuracy in diffuse sound field (far field) by compensating for the natural high frequency loss caused by air absorption.



The silver trapezoid close-mic grid (DD0254) subtly rolls off the highest frequencies to create a smoother treble response when close miking sources with bright transient impulses.



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[www.dpamicrophones.com/4006C](http://www.dpamicrophones.com/4006C)

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#### Service & repair

If you are not satisfied with the characteristics exhibited by this product, please contact your nearest DPA Microphones representative for support.

#### Warranty

4006C is covered by a five-year limited warranty.

#### CE marking

This product conforms with all relevant directives approved by the European Commission.

# Specifications

## **Directional pattern**

Omnidirectional

## **Principle of operation**

Pressure

## **Capsule type**

Pre-polarized condenser

## **Frequency range**

10 Hz to 20 kHz

## **Frequency range, $\pm 2$ dB**

20 Hz to 20 kHz

## **Sensitivity, Nominal, $\pm 2$ dB at 250 Hz**

40 mV/Pa; -28 dB re 1 V/Pa

## **Equivalent noise level, A-weighted**

Typ. 15 dB(A) re. 20  $\mu$ Pa (max. 17 dB(A))

## **Output impedance**

< 200 ohm

## **Output balance principle**

Impedance balancing with Active Drive

## **Common Mode Rejection Ratio (CMRR)**

> 50 dB

## **Power supply**

48 V Phantom power (+/- 4 V)

## **Current consumption**

28 mA

## **Polarity**

+V at Pin 2 for positive sound pressure

## **Connector**

XLR-3M. Pin 1: shield, Pin 2: signal + phase, Pin 3: - phase

## **Operating temperature range**

-40 °C to 45 °C (14 °F to 113 °F)

## **Relative humidity**

Up to 90%