

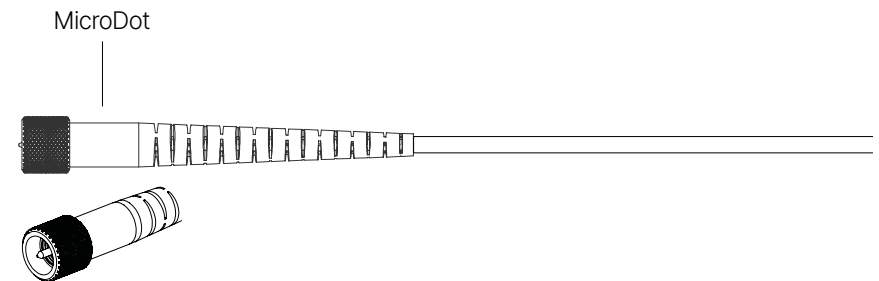
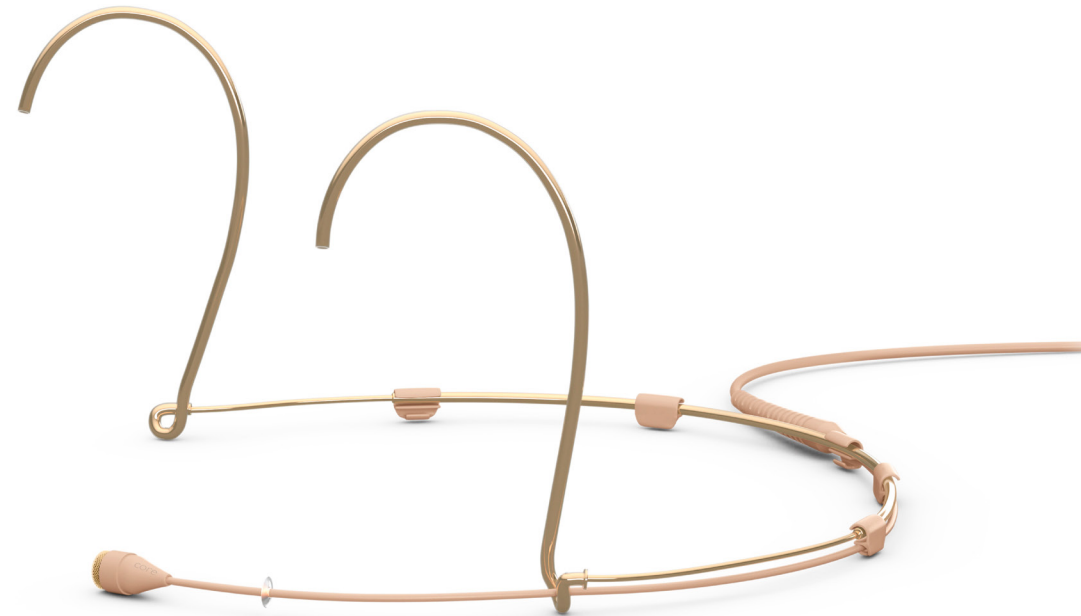


## Type: 4066-OC-A-F00-LH

### ARCHITECT SPECIFICATIONS

The headset microphone shall be a pre-polarized condenser type with an omni-directional polar pattern. The microphone diameter shall be 5.4 mm (0.21 in). The frequency response shall be 20 Hz to 20 kHz with an effective frequency range within  $\pm 2$  dB from 40 Hz to 20 kHz and with a 3 dB soft boost at 8 – 20 kHz. The sensitivity shall be 6 mV/Pa (-44 dB re. 1V/Pa) at 1 kHz within a tolerance of  $\pm 3$  dB. The equivalent noise level shall be 26 dB(A). The microphone shall not exceed 1% THD at 137 dB SPL peak. The microphone shall have a dynamic range of 111 dB. The Max. SPL (10 % THD) shall be 144 dB SPL peak. The rated output impedance shall be 30 – 40  $\Omega$  and the connector type shall be MicroDot. The cable length shall be 1.2 m with a cable diameter of 1.6 mm and in beige color. The microphone boom and detachable cap shall be beige while the stainless-steel grid of the cap shall have a golden appearance. The microphone shall be protected against water and dust to an IP58 rating. The operating temperature shall range from -40°C to 45°C (-40°F to 113°F) and the microphone shall function in humidity levels up to 90%. The polarity of the signal on the center pin shall be positive going for a positively increasing sound pressure.

The microphone shall be the DPA 4066 Omnidirectional Microphone type 4066-OC-A-F00-LH



## TECHNICAL SPECIFICATIONS

4066-OC-A-F00-LH	
Directional pattern	Omnidirectional
Principle of operation	Pressure
Cartridge type	Pre-polarized condenser
Frequency response	20 Hz - 20 kHz
Effective frequency range $\pm 2$ dB	Soft boost grid: 40 Hz - 20 kHz, 3 dB soft boost at 8 - 20 kHz. High boost grid: 40 Hz - 20 kHz, 10 dB boost at 12 kHz
Sensitivity, nominal, $\pm 2.4$ dB at 1 kHz	6 mV/Pa; -44 dB re. 1 V/Pa
Equivalent noise level, A-weighted	Typ. 26 dB(A) re. 20 $\mu$ Pa (max. 28 dB(A))
Distortion, THD < 1%	134 dB SPL RMS, 137 dB SPL peak
Dynamic range	Typ. 111 dB
Max. SPL, THD 10%	144 dB SPL peak
Rated output impedance	30 - 40 $\Omega$
Cable drive capability	Up to 300 m (984 ft) with DAD6001-BC XLR Adapter
Power supply (for full performance)	For wireless systems: Min. 5 V - max. 10 V through DPA adapter With DAD6001-BC: P48 (Phantom Power). Will work from 12 V
Current consumption	Typ. 1.5 mA (microphone). 3.5 mA with DAD6001-BC XLR Adapter
Connector	MicroDot
Color	Beige
Weight	14 g (0.5 oz) incl. Cable and MicroDot connector
Microphone diameter	5.4 mm (0.21 in)
Cable length	1.2 m (3.9 ft)
Polarity	Positively increasing sound pressure produces positive going voltage on MicroDot pin
Temperature range	-40°C to 45°C (-40°F to 113°F)
Relative humidity (RH)	Up to 90%