

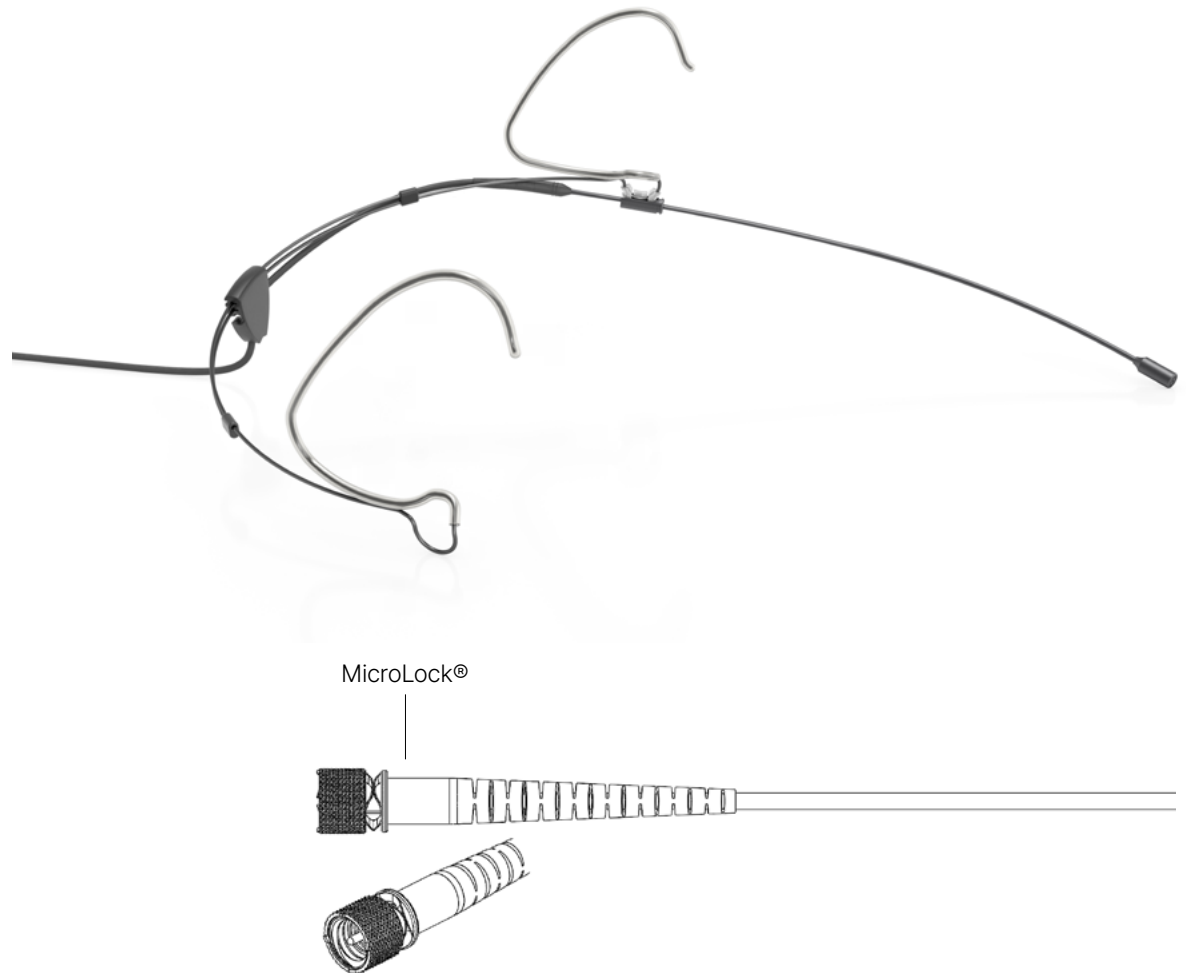


## Type: 6066-OC-R-B90

### ARCHITECT SPECIFICATIONS

The headset microphone shall feature a 3-point ear grip and a 2-way adjustable boom system (length and height). The headset shall include a 90° cable management system that safeguards the cable and direct it down the wearer's back. The headset microphone shall be a pre-polarized condenser type with an omnidirectional polar pattern. 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 4 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  $\pm 2.4$  dB. The equivalent noise level shall be 26 dB(A). The microphone shall not exceed 1% THD at 128 dB SPL peak. The microphone shall have a dynamic range of 102 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 MicroLock®. The cable length shall be 1.3 m with a cable diameter of 1.6 mm and in black color. The microphone diameter shall be 3.4 mm (0.13 in) and the length 8.9 mm (0.35 in). The microphone body, boom and detachable cap shall be made of stainless steel and coated with a black PVD treatment. The microphone shall be protected against water and dust to an IP58 rating and shall work in the temperature range -40° C to 45° C. 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 6066 Omnidirectional Microphone type 6066-OC-R-B90



## TECHNICAL SPECIFICATIONS

<b>6066-OC-R-B90</b>	
<b>Directional pattern</b>	Omnidirectional
<b>Principle of operation</b>	Pressure
<b>Cartridge type</b>	Pre-polarized condenser
<b>Frequency response</b>	20 Hz - 20 kHz
<b>Effective frequency range <math>\pm 2</math> dB</b>	40 Hz - 20 kHz with 4 dB soft boost at 8 - 20 kHz
<b>Sensitivity, nominal, <math>\pm 2.4</math> dB at 1 kHz</b>	6 mV/Pa; -44 dB re. 1 V/Pa
<b>Equivalent noise level, A-weighted</b>	Typ. 26 dB(A) re. 20 $\mu$ Pa (max. 28 dB(A))
<b>Distortion, THD &lt; 1%</b>	125 dB SPL RMS, 128 dB SPL peak
<b>Dynamic range</b>	Typ. 102 dB
<b>Max. SPL, THD 10%</b>	144 dB SPL peak
<b>Rated output impedance</b>	30 - 40 $\Omega$
<b>Cable drive capability</b>	Up to 300 m (984 ft) with DAD6001-BC XLR Adapter
<b>Power supply (for full performance)</b>	For wireless systems: Min. 5 V - max. 10 V through DPA adapter With DAD6001-BC: P48 (Phantom Power). Will work from 12 V
<b>Current consumption</b>	Typ. 1.5 mA (microphone). 3.5 mA with DAD6001-BC XLR Adapter
<b>Connector</b>	MicroLock®
<b>Color</b>	Black
<b>Weight</b>	11 g (0.4 oz) incl. Cable and MicroLock® connector
<b>Microphone head size (h x w x d)</b>	3.4 / 8.9 mm (0.13 / 0.35 in)
<b>Capsule diameter</b>	3 mm (0.12 in)
<b>Cable length</b>	1.3 m (4.3 ft)
<b>Polarity</b>	Positively increasing sound pressure produces positive going voltage on MicroLock® pin
<b>Temperature range</b>	-40°C to 45°C (-40°F to 113°F)
<b>Relative humidity (RH)</b>	Up to 90%