

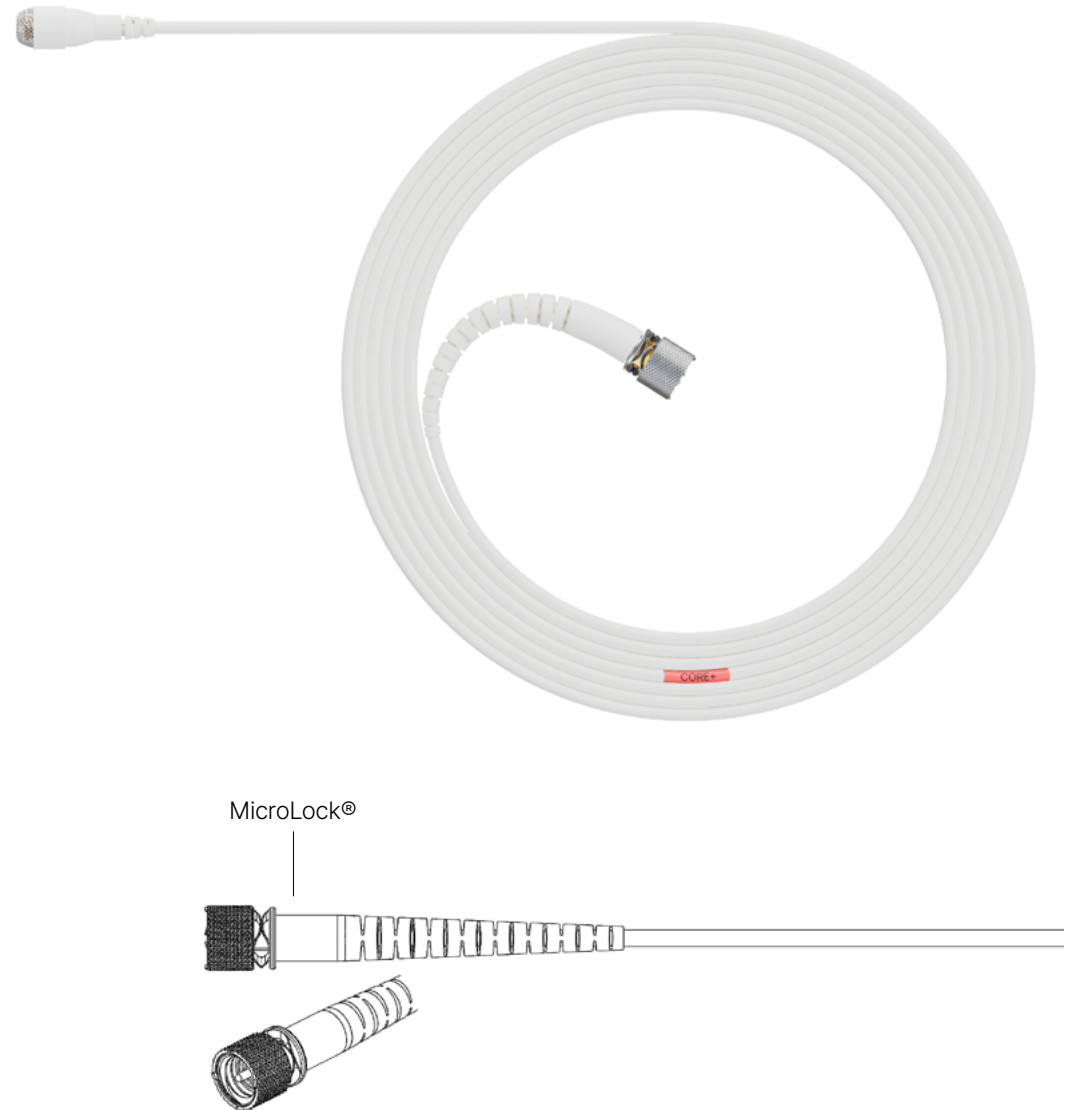


## Type: 4061-OP-C-W90

### ARCHITECT SPECIFICATIONS

The lavalier microphone shall be a pre-polarized condenser type with an omnidirectional polar pattern. The effective frequency response shall be 20 Hz to 20 kHz within  $\pm 2$  dB from 20 Hz to 20 kHz. With a soft boost grid attached a 3 dB soft boost at 8 – 20 kHz shall be present and with a high boost grid a 10 dB boost at 12 kHz shall be present. 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 139 dB SPL peak. The microphone shall have a dynamic range of 113 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 1.8 m with a cable diameter of 1.6 mm and in white color. The microphone diameter shall be 5.4 mm (0.21 in) and the length 12.7 mm (0.5 in). The microphone shall have detachable caps and 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 4061 Omnidirectional Microphone type 4061-OP-C-W90



## TECHNICAL SPECIFICATIONS

<b>4061-OP-C-W90</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>	Soft boost grid: 20 Hz - 20 kHz, 3 dB soft boost at 8 - 20 kHz. High boost grid: 20 Hz - 20 kHz, 10 dB boost at 12 kHz
<b>Sensitivity, nominal, <math>\pm 3</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; 0.5%</b>	133 dB SPL RMS, 136 dB SPL peak
<b>Distortion, THD &lt; 1%</b>	136 dB SPL RMS, 139 dB SPL peak
<b>Dynamic range</b>	Typ. 113 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>	White
<b>Weight</b>	7.5 g (0.26 oz) incl. Cable and connector
<b>Microphone diameter</b>	5.4 mm (0.21 in)
<b>Microphone length</b>	12.7 mm (0.5 in)
<b>Cable length</b>	1.8 m (5.9 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%