

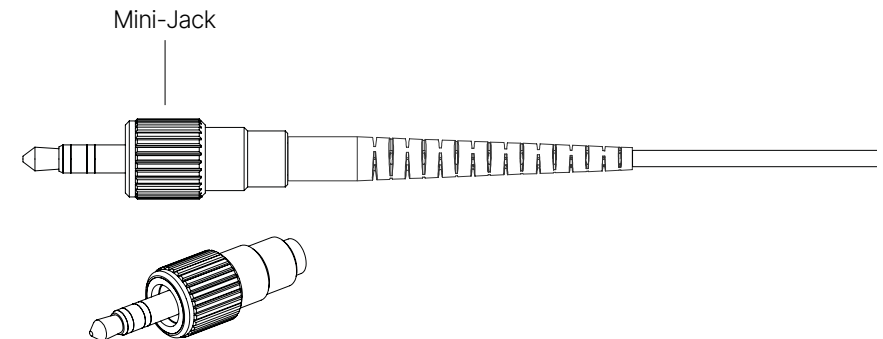


## Type: 4066-OC-A-C34-LH

### 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 Mini-Jack. The cable length shall be 1.2 m with a cable diameter of 1.6 mm and in brown color. The microphone boom and detachable cap shall be brown inclusive the stainless-steel grid of the cap. 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 tip of the Mini-Jack shall be positive going for a positively increasing sound pressure.

The microphone shall be the DPA 4066 Omnidirectional Microphone type 4066-OC-A-C34-LH



## TECHNICAL SPECIFICATIONS

<b>4066-OC-A-C34-LH</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: 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
<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>	134 dB SPL RMS, 137 dB SPL peak
<b>Dynamic range</b>	Typ. 111 dB
<b>Max. SPL, THD 10%</b>	144 dB SPL peak
<b>Rated output impedance</b>	30 - 40 $\Omega$
<b>Power supply (for full performance)</b>	For wireless systems: Min. 5 V - max. 10 V
<b>Current consumption</b>	Typ. 1.5 mA
<b>Connector</b>	Mini-Jack
<b>Color</b>	Brown
<b>Weight</b>	14 g (0.5 oz) incl. Cable and MicroDot connector
<b>Microphone diameter</b>	5.4 mm (0.21 in)
<b>Cable length</b>	1.2 m (3.9 ft)
<b>Polarity</b>	Positively increasing sound pressure produces positive going voltage on Mini-Jack tip
<b>Temperature range</b>	-40°C to 45°C (-40°F to 113°F)
<b>Relative humidity (RH)</b>	Up to 90%