

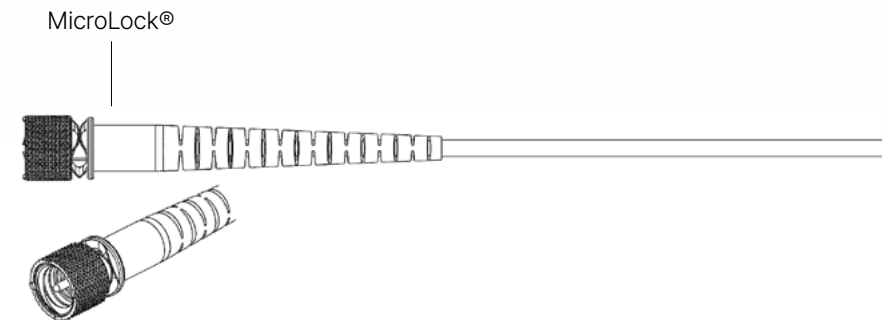


Type: 6061-OC-U-F90

ARCHITECT SPECIFICATIONS

The lavalier 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 ± 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 ± 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 Ω 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 beige color. The microphone diameter shall be 3.4 mm (0.13 in) and the length 14.4 mm (0.57 in). The microphone body and detachable cap shall be made of stainless steel and coated with a golden 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 6061 Omnidirectional Microphone type 6061-OC-U-F90



TECHNICAL SPECIFICATIONS

6061-OC-U-F90	
Directional pattern	Omnidirectional
Principle of operation	Pressure
Cartridge type	Pre-polarized condenser
Frequency response	20 Hz - 20 kHz
Effective frequency range ± 2 dB	40 Hz - 20 kHz with 4 dB soft boost at 8 - 20 kHz
Sensitivity, nominal, ± 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 μ Pa (max. 28 dB(A))
Distortion, THD < 1%	125 dB SPL RMS, 128 dB SPL peak
Dynamic range	Typ. 102 dB
Max. SPL, THD 10%	144 dB SPL peak
Rated output impedance	30 - 40 Ω
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	MicroLock®
Color	Beige
Weight	8 g (0.29 oz) incl. Cable and MicroLock® connector
Microphone head size (h x w x d)	3.4 / 14.4 mm (0.13 / 0.57 in)
Capsule diameter	3 mm (0.12 in)
Cable length	1.8 m (5.9 ft)
Polarity	Positively increasing sound pressure produces positive going voltage on MicroLock® pin
Temperature range	-40°C to 45°C (-40°F to 113°F)
Relative humidity (RH)	Up to 90%