

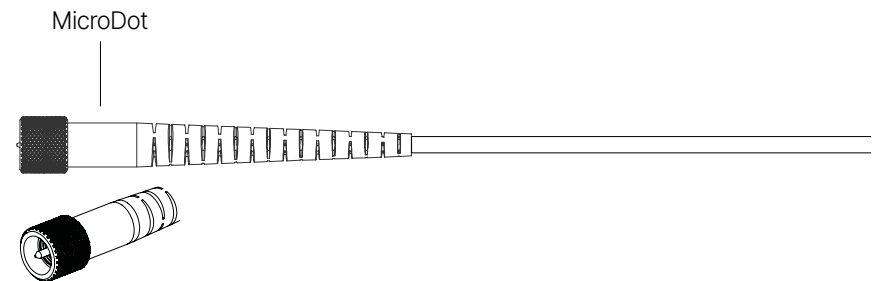


Type: 4088-DC-A-F00-LH

ARCHITECT SPECIFICATIONS

The headset microphone shall be a pre-polarized condenser type with a cardioid 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 ± 2 dB from 100 Hz to 20 kHz and with a 4-6 dB soft boost at 15 kHz. The sensitivity shall be 6 mV/Pa (-44 dB re. 1V/Pa) at 1 kHz within a tolerance of ± 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 Ω 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 shall be beige. 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 4088 Cardioid Microphone type 4088-DC-A-F00-LH



TECHNICAL SPECIFICATIONS

4088-DC-A-F00-LH	
Directional pattern	Cardioid
Principle of operation	Pressure gradient
Cartridge type	Pre-polarized condenser
Frequency response	20 Hz - 20 kHz
Effective frequency range, ± 2 dB, Near field 2-3 cm (0.8 - 1.2 in)	100 Hz - 20 kHz (4 - 6 dB soft boost at 15 kHz)
Sensitivity, nominal, ± 3 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%	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 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	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%