



4080 Miniature Cardioid Microphone

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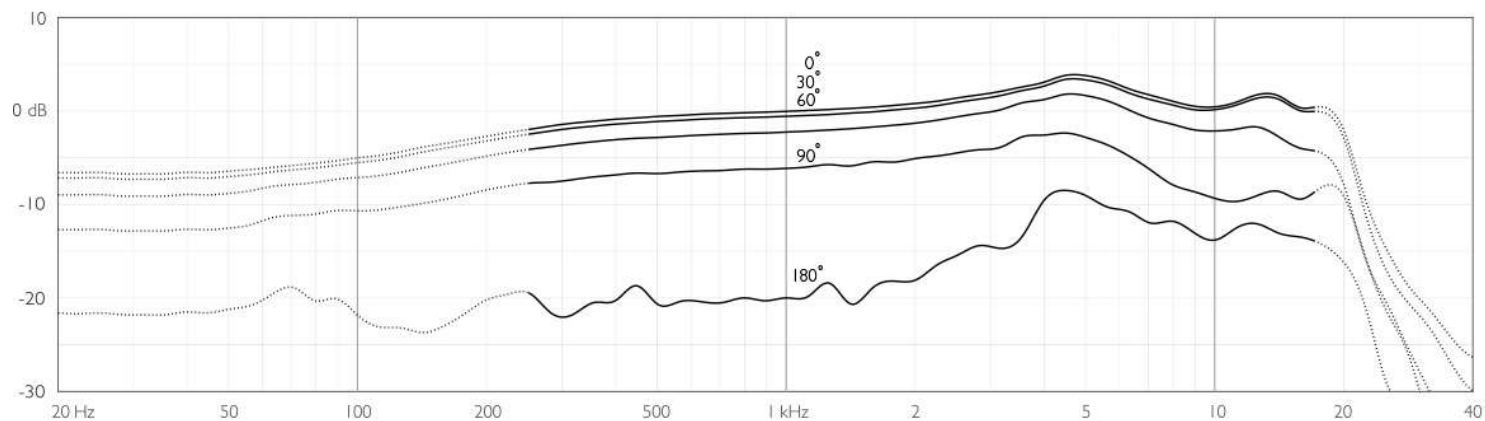
Specifications

Directional pattern	Cardioid
Principle of operation	Pressure gradient
Cartridge type	Pre-polarized condenser
Frequency response	20 Hz - 20 kHz

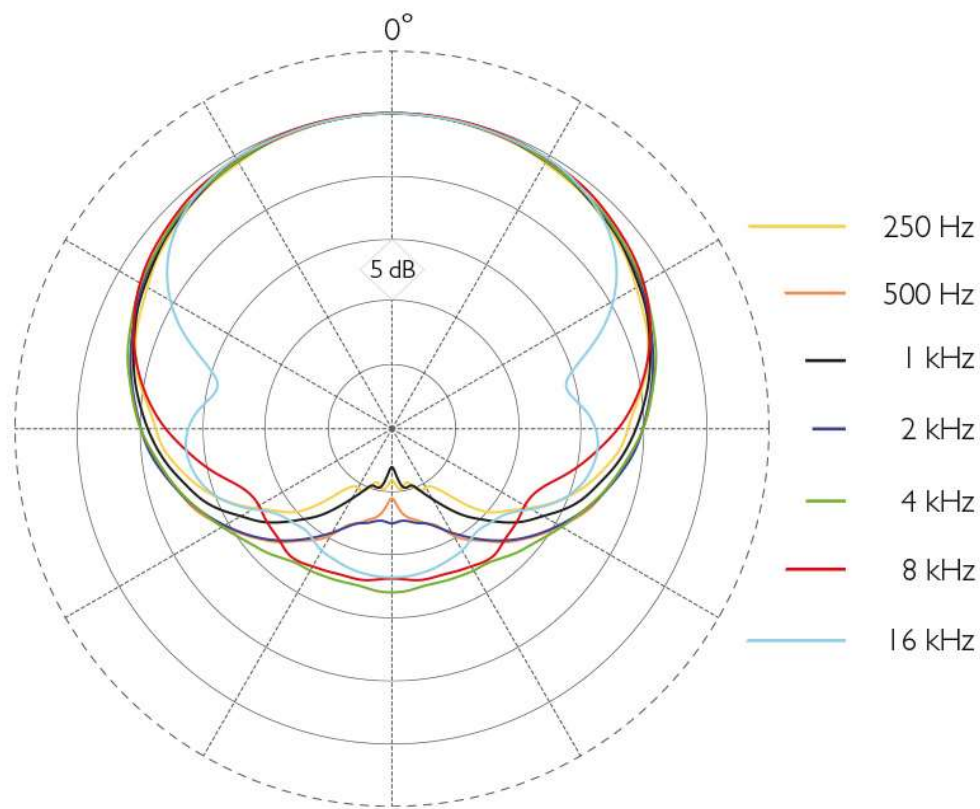
Effective frequency range, ± 2 dB, at 25 cm (9.8 in)	250 Hz - 17 kHz with typ. 4 dB soft boost at 4 - 6 kHz (-5 dB at 100 Hz)
Sensitivity, nominal, ± 3 dB at 1 kHz	20 mV/Pa; -34 dB re. 1 V/Pa
Equivalent noise level, A-weighted	Typ. 23 dB(A) re. 20 μ Pa (max. 26 dB(A))
Distortion, THD < 1% - Legacy	120 dB SPL RMS, 123 dB SPL peak
Distortion, THD < 1% - CORE	126 dB SPL RMS, 129 dB SPL peak
Dynamic range	Typ. 106 dB
Max. SPL, THD 10%	134 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, TA4F Mini-XLR, 3-pin LEMO, Mini-Jack
Color	Black
Weight	15 g (0.5 oz) incl. Cable and MicroDot connector
Microphone diameter	5.7 mm (0.22 in)
Microphone length	30 mm (1.2 in)
Cable length	1.2 m (3.9 ft)
Cable diameter	1.6 mm (0.06 in)
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%



Typical on and off-axis frequency response of a 4080 Lavalier Microphone measured in 25 cm (10 in)



Typical directional characteristics of a 4080 Lavalier Microphone