



DPA 4080 Lavalier Specifications

Directional pattern

Cardioid

Principle of operation

Pressure gradient

Cartridge type

Pre-polarized condenser

Effective frequency response

20 Hz - 20 kHz

Frequency range, ± 2 dB

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))

Total harmonic distortion (THD) - Legacy

< 1% up to 123 dB SPL peak, < 1% up to 120 dB SPL RMS sine

Total harmonic distortion (THD) - CORE

< 1% up to 129 dB SPL peak

Dynamic range

Typ. 100 dB

Max. SPL, peak before clipping

134 dB

Rated output impedance

30 - 40 Ω

Cable drive capability

Up to 300 m (984 ft)

Power supply (for full performance)

Min. 5 V - max. 50 V through DPA adapter for wireless systems or 48 V phantom power ± 4 V with DAD6001-BC XLR adapter

Connector

MicroDot

Color

Black

Weight

15 g (0.5 oz) incl. Cable and MicroDot connector

Microphone diameter

10 mm (0.4 in)

Capsule diameter

5.4 mm (0.21 in)

Microphone length

30 mm (1.2 in)

Cable length

1.2 m (3.9 ft)

Cable color

Black

Cable diameter

1.6 mm (0.06 in)

Polarity

Positively increasing sound pressure produces positive going voltage on MicroDot pin

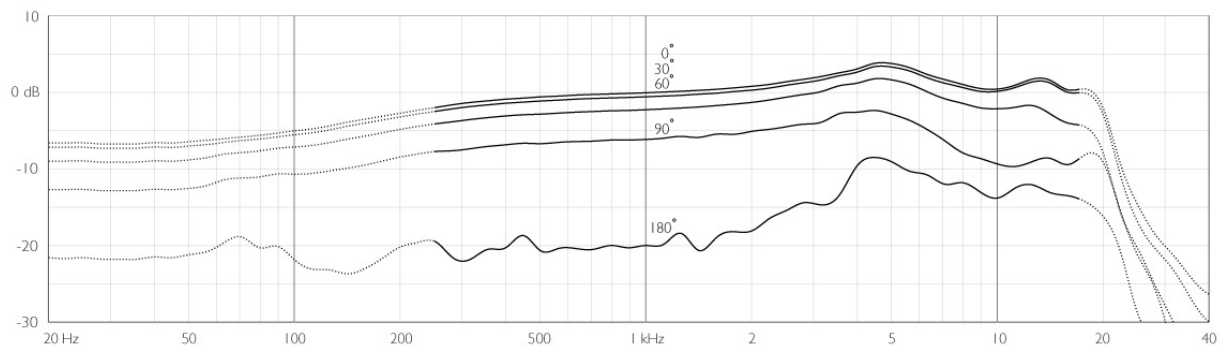
Temperature range

-40°C to 45°C (-40°F to 113°F)

Relative humidity (RH)

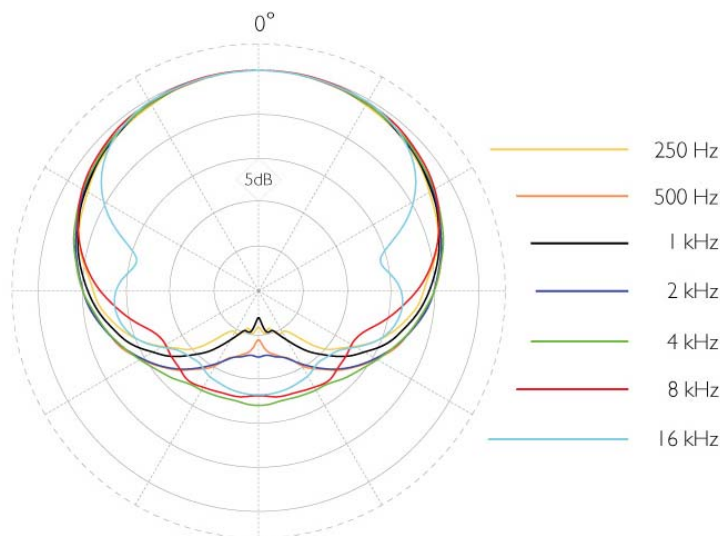
Up to 90%

Frequency response of 4080 Lavalier Microphone



Typical on and off-axis response of a 4080 Lavalier Microphone

Polar pattern of the 4080 Lavalier Microphone



Typical directional characteristics of a 4080 Lavalier Microphone