6066 Subminiature Headset Microphone

Specifications

Directional pattern	Omnidirectional
Principle of operation	Pressure
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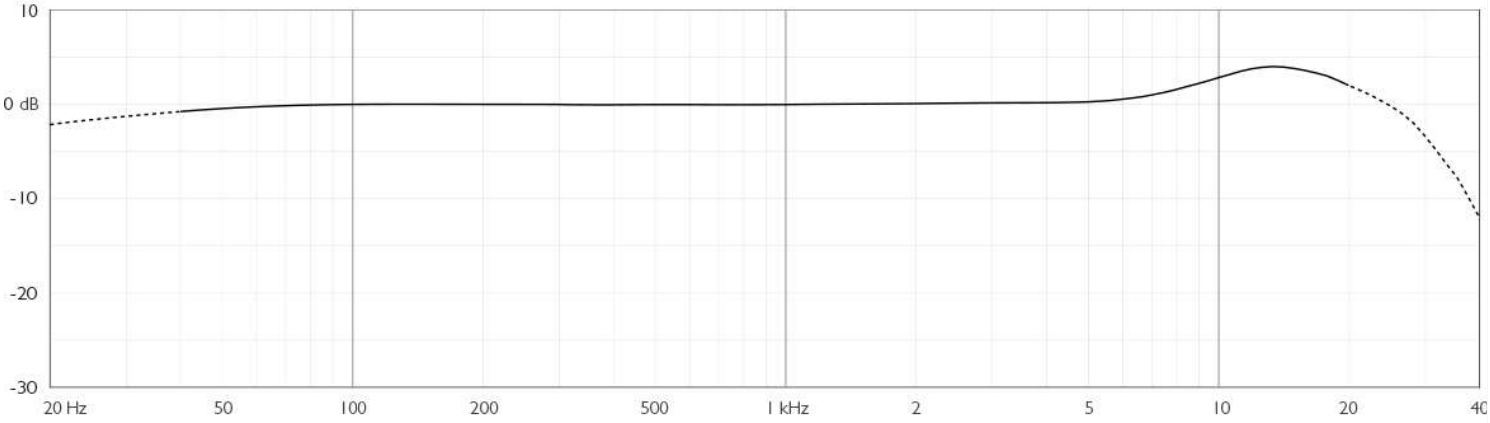
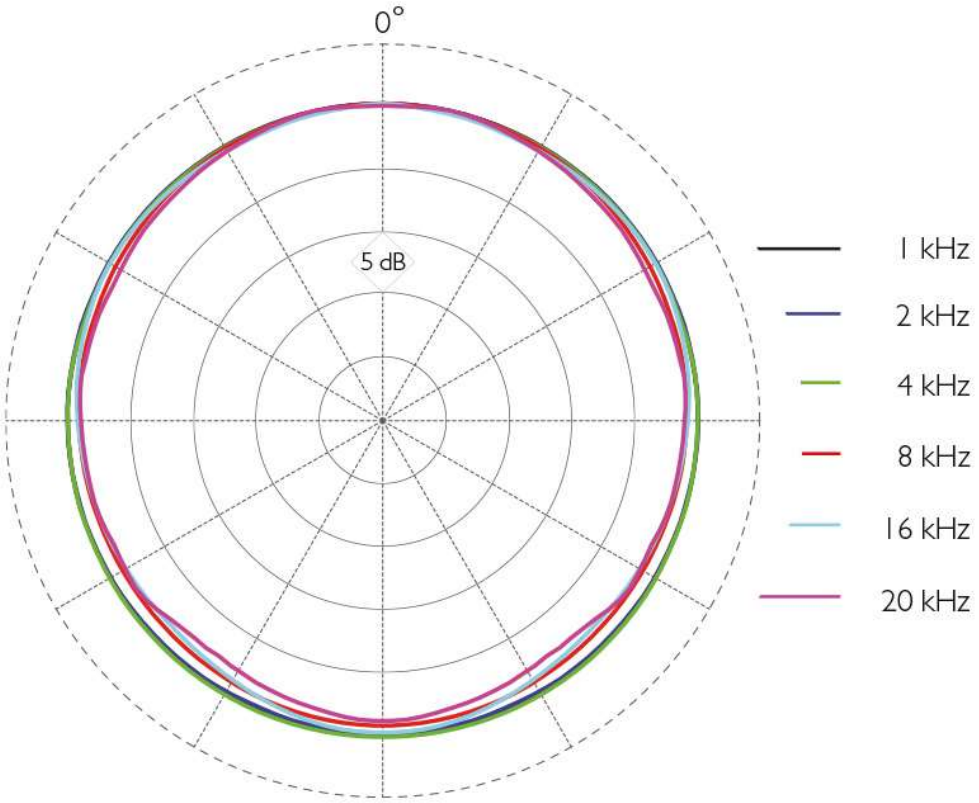
Frequency response	20 Hz - 20 kHz
Effective frequency range ±2 dB	40 Hz - 20 kHz with 4 dB soft boost at 8 - 20 kHz
Sensitivity, nominal, ±2.4 dB at 1 kHz	6 mV/Pa; -44 dB re. 1 V/Pa

Equivalent noise level, A-weighted	Typ. 26 dB(A) re. 20 µPa (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	MicroDot, TA4F Mini-XLR, 3-pin LEMO, Mini-Jack
Color	Black, beige or brown
Weight	11 g (0.4 oz) incl. Cable and MicroDot connector
Microphone head size (h x w x d)	3.4 / 8.9 mm (0.13 / 0.35 in)
Capsule diameter	3 mm (0.12 in)
Cable length	1.3 m (4.3 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%



Typical response of a 6066



Typical directional characteristics of a 6066