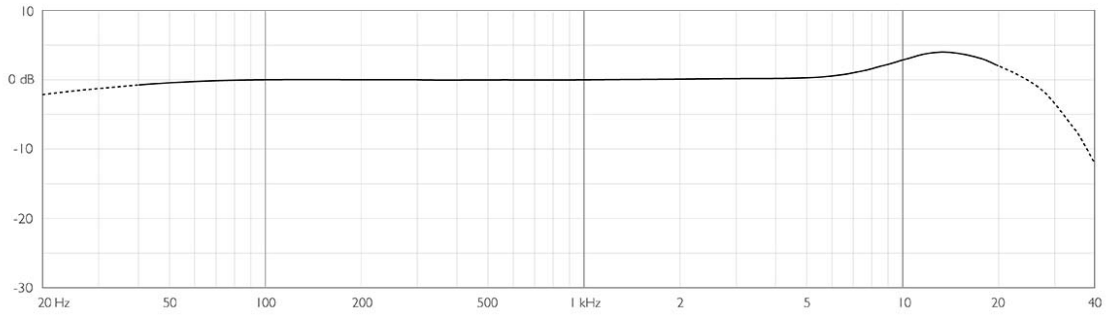
DPA 6066 HEADSET Specifications

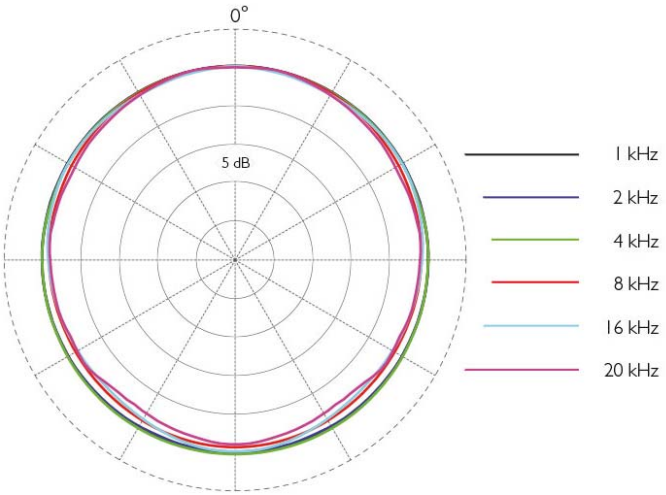
Directional pattern
Omnidirectional
Principle of operation
Pressure
Principle of operation
Pre-polarized condenser
Effective frequency response
20 Hz - 20 kHz
Frequency range, ±2 dB
40 Hz - 20 kHz with 4 dB soft boost at 8 - 20 kHz
Sensitivity, nominal, ±3 dB at 1 kHz
6 mV/Pa; -44 dB re. 1 V/Pa
Equivalent noise level, A-weighted
Typ. 26 dB(A) re. 20 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
From MicroDot: 30 - 40 Ω. From DAD6001-BC: 100 Ω
Cable drive capability
Up to 300 m (984 ft) with DAD6001-BC XLR adapter
Power supply (for full performance)
Min. 5 V to max. 10 V through DPA adapter for wireless systems. With DAD6001-BC: 48 V phantom power ±4 V for full performance. Works from 12V
Connector
MicroDot, TA4F Mini-XLR, 3-pin LEMO, Mini-Jack
Color
Black or beige
Weight
11 g (0.40 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%

6066 Frequency response



Typical response of a d:fine™ 6066

Polar pattern



Typical directional characteristics of a 6066