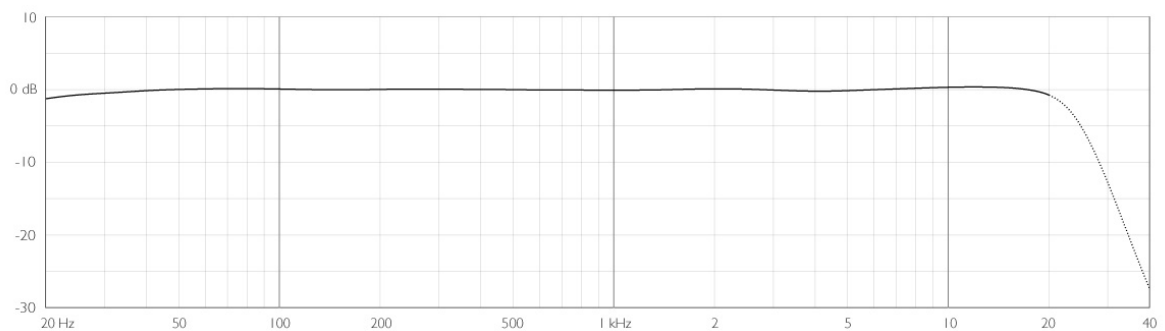


DPA 4090 Specifications

Directional pattern
Omnidirectional
Principle of operation
Pressure
Cartridge type
Pre-polarized condenser
Frequency range
20 Hz - 20 kHz
Frequency range, ± 2 dB
20 Hz - 20 kHz
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))
Equivalent noise level, ITU-R BS.468-4
Typ. 35 dB (max. 38 dB)
S/N ratio (A-weighted), re. 1 kHz at 1 Pa (94 dB SPL)
Typ. 71 dB(A)
Total harmonic distortion (THD)
< 1% up to 123 dB SPL peak
Dynamic range
Typ. 100 dB
Max. SPL, peak before clipping
134 dB
Output impedance
< 40 Ω
Cable drive capability
Up to 300 m (984 ft)
Output balance principle
Impedance balanced
Common mode rejection ratio (CMRR)
> 40 dB
Power supply (for full performance)
48 V Phantom power ± 4 V
Current consumption
2 mA
Connector
Color:
Color
Black
Weight
38 g (1.34 oz)
Microphone diameter
19 mm (0.75 in); at tip 6.7 mm (0.26 in)
Microphone length
122 mm (4.8 in)
Polarity
+V at pin 2 for positive sound pressure

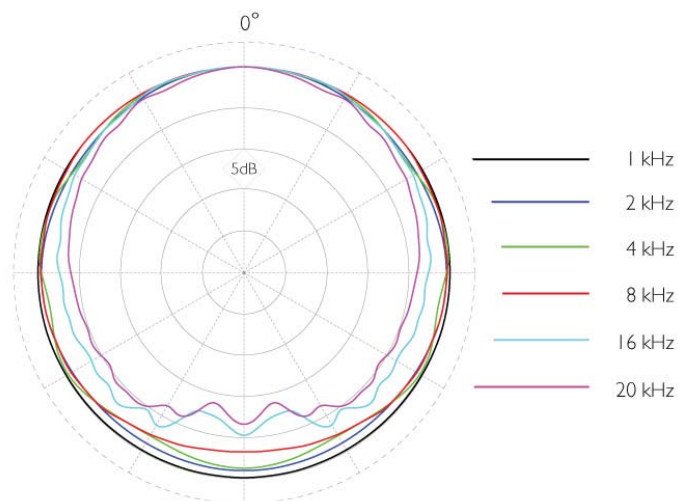
Temperature range
-40°C to 45°C (-40°F to 113°F)
Relative humidity (RH)
Up to 90%

4090 Frequency response



Typical on and off-axis response of a d:dicat™ 4090

Polar pattern



Typical directional characteristics of a d:dicat™ 4090