

- - [4041-SP Solid State Preamplifier](#)

Specifications

Directional pattern

Omnidirectional

Principle of operation

Pressure

Cartridge type

Condenser w. stainless steel diaphragm

Frequency range

20 Hz - 20 kHz

Frequency range, ± 2 dB

20 Hz - 20 kHz with 4 - 6 dB soft boost at 8 kHz

Sensitivity, nominal, ± 2 dB at 250 Hz

70 mV/Pa; -23 dB re. 1 V/Pa

Equivalent noise level, A-weighted

Max. 8 dB(A) re. 20 μ Pa

Equivalent noise level, ITU-R BS.468-4

Max. 20 dB

S/N ratio (A-weighted), re. 1 kHz at 1 Pa (94 dB SPL)

86 dB(A)

Total harmonic distortion (THD)

< 0.5% THD up to 120 dB SPL peak, < 1% THD up to 126 dB SPL peak

Dynamic range

Typ. 118 dB

Max. SPL, peak before clipping

134 dB

Output impedance

< 200 Ω

Cable drive capability

Up to 100 m (328 ft)

Power supply (for full performance)

Via external power supply

Current consumption

2.20 mA

Connector

3-pin XLR-M (Standard P48)

Weight

190 g (6.7 oz)

Capsule diameter

24 mm (1 in)

Microphone length

170 mm (6.7 in)

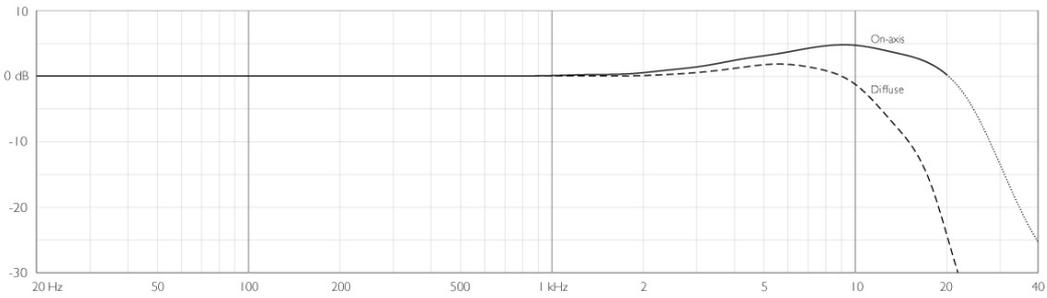
Temperature range

-40°C to 45°C (-40°F to 113°F)

Relative humidity (RH)

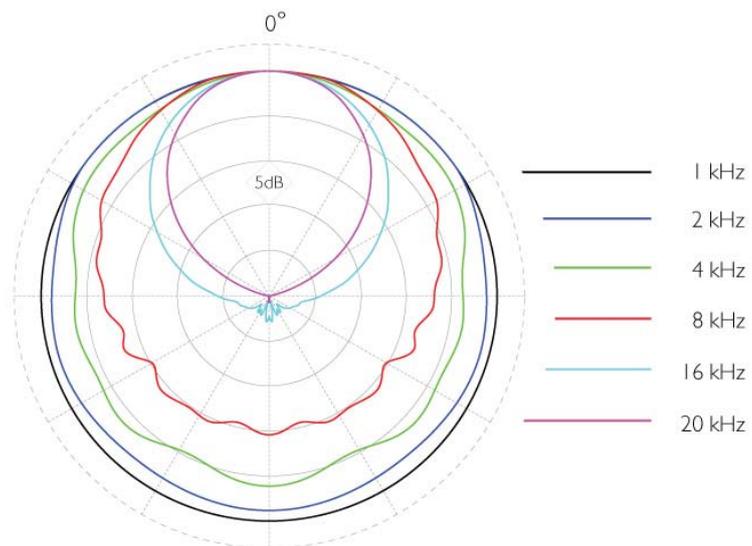
Up to 90%

4041-SP Frequency response



Typical on and off-axis response of a 4041-SP

Polar pattern



Typical on and off-axis response of a 4041-SP