

4018VL Linear Specifications

Directional pattern

Supercardioid

Principle of operation

Pressure gradient

Cartridge type

Pre-polarized condenser

Frequency range

20 Hz - 20 kHz

Frequency range, ± 2 dB, at 12 cm (4.7 in)

100 Hz - 16 kHz. Permanent 3rd order low-cut filter at 80 Hz

Sensitivity, nominal, ± 2 dB at 1 kHz

5 mV/Pa; -46 dB re. 1 V/Pa

Equivalent noise level, A-weighted

Typ. 19 dB(A) re. 20 μ Pa (max. 21 dB(A))

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

Typ. 75 dB(A)

Total harmonic distortion (THD)

< 1% up to 139 dB SPL peak

Dynamic range

Typ. 120 dB

Max. SPL, peak before clipping

160 dB

Output impedance

100 Ω

Minimum load impedance

1 k Ω

Cable drive capability

100 m (328 ft)

Output balance principle

Impedance balancing with Active Drive

Common mode rejection ratio (CMRR)

> 50 dB at 1 kHz

Power supply (for full performance)

48 V Phantom power (± 4 V)

Current consumption

Max. 2 mA

Connector

XLR-3M. Pin 1: shield, Pin 2: signal + phase, Pin 3: - phase

Color

Matte black

Weight

309 g (10.9 oz)

Microphone diameter

52 mm (2.05 in)

Capsule diameter

19 mm (0.75 in)

Microphone length

205 mm (8.1 in)

Maximum output voltage, RMS

8 V

Polarity

+V at pin 2 for positive sound pressure

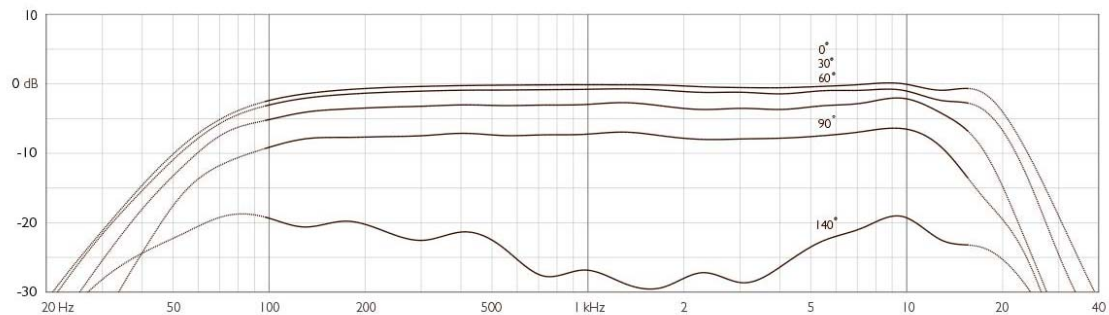
Temperature range

-40°C to 45°C (-40°F to 113°F)

Relative humidity (RH)

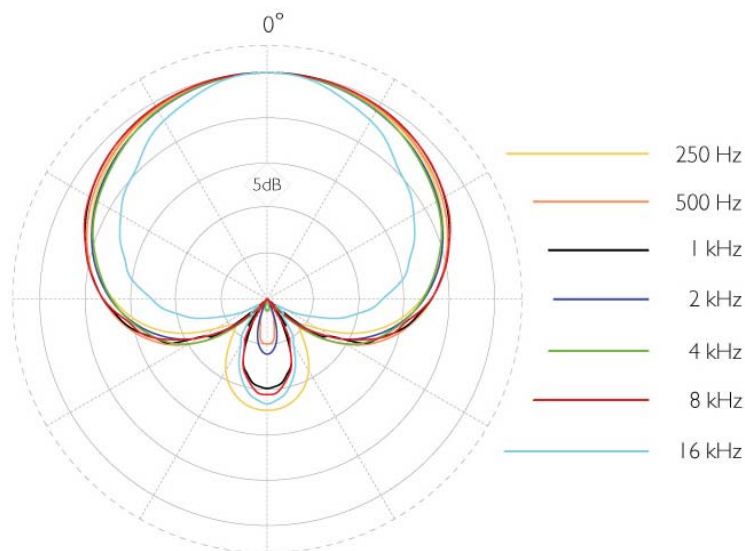
Up to 90%

4018VL Frequency response



Typical on and off-axis response of a d:facto™ 4018VL

4018VL Polar pattern



Typical directional characteristics of a d:facto™ 4018VL