2012 Compact Cardioid Microphone

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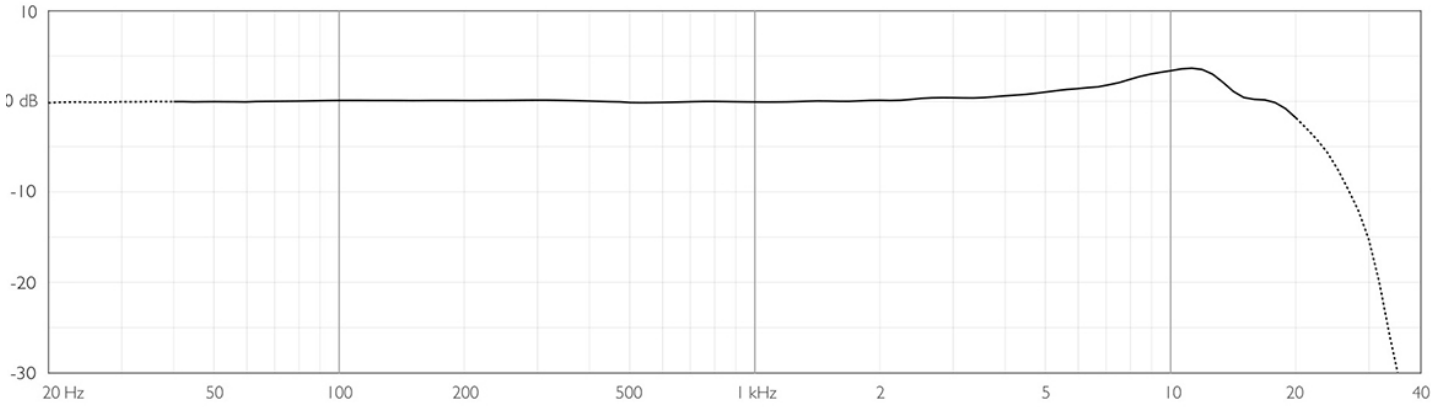
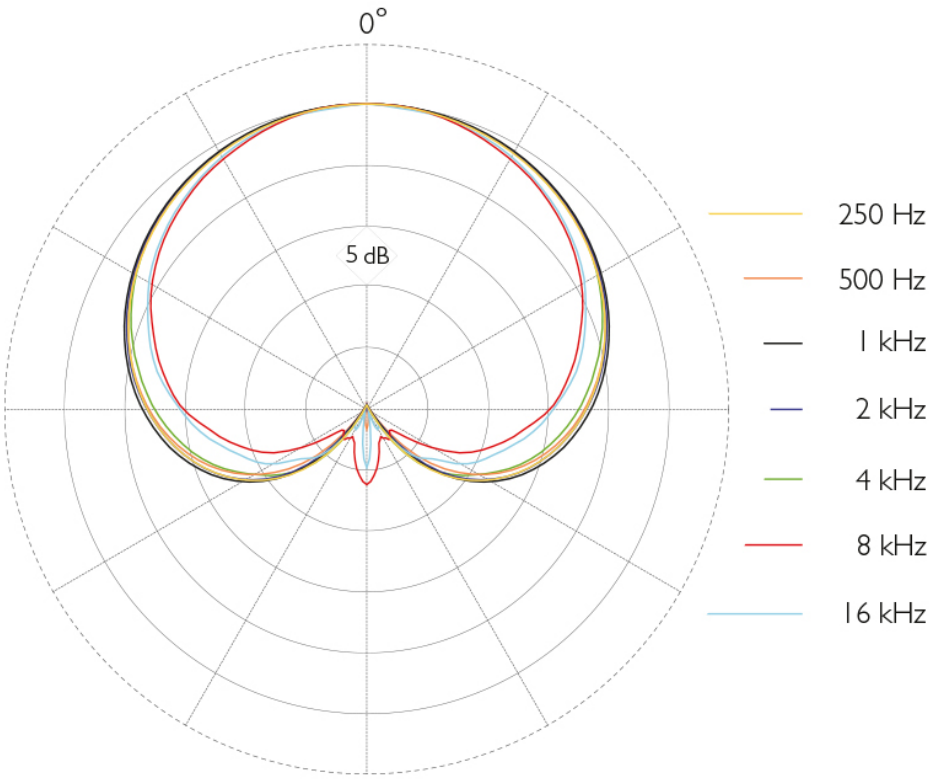
Directional pattern	Cardioid
Principle of operation	Pressure gradient
Cartridge type	Pre-polarized condenser
Frequency response	20 Hz - 20 kHz
Effective frequency range, ±2 dB, at 30 cm (11.8 in)	40 Hz to 20 kHz
Sensitivity, nominal, ±2 dB at 1 kHz	8 mV/Pa; -42 dB re. 1 V/Pa
Equivalent noise level, A-weighted	Typ. 20 dB(A) re 20 µPa (max. 22 dB(A))

Distortion, THD < 1%	148 dB SPL (151 dB SPL peak)
Dynamic range	Typ. 131 dB
Max. SPL, THD 10%	153 dB SPL (156 dB SPL peak)
Switchable attenuator, filters etc.	-
Rated output impedance	60 Ω
Minimum load impedance	2 kΩ
Cable drive capability	100 m (328 ft)
Output balance principle	Impedance balancing with Active Drive
Common mode rejection ratio (CMRR)	> 60 dB
Power supply (for full performance)	P48 (Phantom Power)
Current consumption	0.7 mA
Connector	XLR-3M. Pin 1: shield, Pin 2: signal + phase, Pin 3: - phase
Color	Matte black
Weight	83 g (2.9 oz)
Microphone diameter	19 mm (0.75 in)
Capsule diameter	17 mm (0.67 in)
Microphone length	94 mm (3.7 in)
Maximum output voltage, RMS	8.7 V (21 dBu)
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%
Sensitivity selection tolerance (at 1 kHz)	±1.5 dB



Typical on-axis response of a 2012 measured at 30 cm (11.8 in)



Typical directional characteristics of a 2012