

SPECIFICATIONS

Frequency Response (Figure 7 on page 11)

50 to 17,000 Hz

Polar Pattern (Figure 7 on page 11)

Cable Length

12 ft (3.65 meters)

Output Impedance (at 1000 Hz)

Rated at 150 Ω (180 Ω actual)

Open Circuit Sensitivity (at 1 kHz, ref. 1 V/Pascal*)

Cardioid: -35.0 dB (17.8 mV)

Supercardioid: -33.5 dB (21.1 mV)

Omnidirectional: -27.5dB (42.2 mV)

All settings -12 dB at 0 gain

*1 Pascal= 94 dB SPL

Maximum SPL (1 kHz at 1% THD, 1 k Ω load)

Cardioid: 124.2.0 dB

Supercardioid: 122.7 dB

Omnidirectional: 116.7 dB

All settings +6 dB at 0 gain

Equivalent Output Noise (A-weighted)

Cardioid: 28.0 dB SPL

Supercardioid: 26.5 dB SPL

Omnidirectional: 20.5 dB SPL

Signal to Noise Ratio (referenced at 94 dB SPL)

Cardioid: 66.0 dB

Supercardioid: 67.5 dB

Omnidirectional: 73.5 dB

Dynamic Range at 1 k Ω Load

96.2 dB

100 dB at 0 gain

Common Mode Rejection

45.0 dB minimum

Preamplifier Output Clipping Level (1% THD)

-6.0 dBV (0.5 V)

-12 dB at 0 gain

Polarity

Positive sound pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of output connector.

Power Requirements

11 to 52 Vdc phantom, 2.0 mA

Environmental Requirements

Operating Temperature Range: -18° to 57° C (0° to 135° F)

Relative Humidity: 0 to 95%

Dimensions (Figure 6 on page 10)

Certification

Eligible to bear CE Marking. Conforms to European EMC Directive 89/336/EEC. Meets applicable tests and performance criteria in European Standard EN55103 (1996) parts 1 and 2, for residential (E1) and light industrial (E2) environments.

NOTE: For technical data by Fax, phone 1-800-516-2525 and follow the recorded instructions. For additional technical assistance, phone Shure at (847) 600-2000. In Europe, phone 49-7131-72140.

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FURNISHED ACCESSORIES

Flange & Nut	A12B
Clamp.....	80A476
Shock Mount	A400SM
Snap-fit Foam Windscreen (1 furnished, 4 in replacement kit.).....	RK412WS

OPTIONAL ACCESSORIES

Foam Ball Windscreen	A99WS
Locking Metal Windscreen	A412MWS

REPLACEMENT PARTS

Omnidirectional Cartridge	R183B
Supercardioid Cartridge	R184B
Cardioid Cartridge	R185B
Replacement Preamplifier	RK100PK