

SPECIFICATIONS

Cartridge Type	Permanently Biased Condenser
Frequency Response	20–20,000 Hz (see Figure 3)
Directional Polar Pattern	Cardioid (see Figure 4)
Output Impedance	150 Ω (actual)
Attenuation Switch	0 dB, 15 dB, or 25 dB attenuation
Low Frequency Response Switch	Flat; –6 dB/octave below 115 Hz; –18 dB/octave below 80 Hz
Phantom Power	48 Vdc \pm 4 Vdc (IEC–268–15/DIN 45 596), positive pins 2 and 3
Current Drain	4.65 mA typical at 48 Vdc
Common Mode Rejection	\geq 50 dB, 20 Hz to 20 kHz
Polarity	Positive pressure on diaphragm produces positive voltage on output pin 2 relative to pin 3
Dimensions and Weight	20 mm (0.8 in.) diameter, 122 mm (4.8 in.) long; 100 grams (3.5 oz.) (see Figure 5)
Sensitivity (typical, at 1000 Hz; 1 Pa = 94 dB SPL)	–37 dBV/Pa
Self-noise (typical, equivalent SPL; A-weighted, IEC 651)	14 dB
Maximum SPL at 1 kHz 5000 Ω load (Attenuator on) 2500 Ω load (Attenuator on) 1000 Ω load (Attenuator on)	145 (160, 170) dB 139 (154, 164) dB 134 (149, 159) dB
Output Clipping Level* 5000 Ω load 2500 Ω load 1000 Ω load	15 dBV 9 dBV 3 dBV
Dynamic Range 5000 Ω load 2500 Ω load 1000 Ω load	131 dB 125 dB 120 dB
Signal to Noise Ratio**	80 dB

*20 Hz to 20 kHz; THD < 1%. THD of the microphone preamplifier when applied input signal is equivalent to the cartridge output at specified SPL

**S/N ratio is difference between 94 dB SPL and equivalent SPL of self-noise A-weighted.

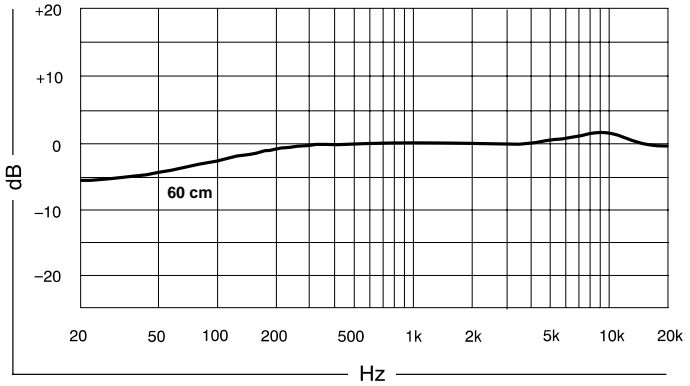


FIGURE 3. TYPICAL FREQUENCY RESPONSE

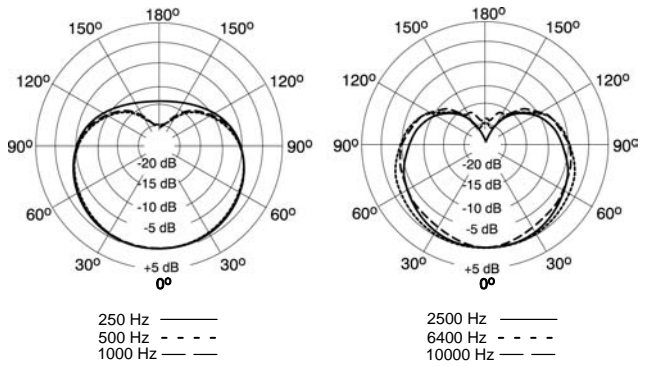


FIGURE 4. TYPICAL POLAR PATTERNS

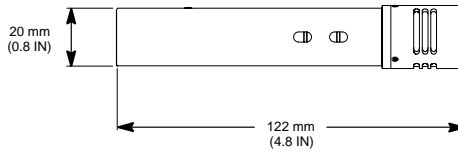


FIGURE 5. DIMENSIONS