

DESCRIPTION AND APPLICATIONS

Widely used in radio and TV announce booths, the 665 is also an excellent, economical, all-purpose microphone. It is popular for newscasts and provides the needed separation when several microphones are used at round table conferences.

Predictable background noise rejection and smooth, wide-range response result from the use of three sound entrances located at different distances from the back of the diaphragm. These constitute the E-V Variable-D[®] microphone. In combination, these three entrances form one effective back entrance which varies in distance from the diaphragm inversely with frequency. The resulting phase and amplitude conditions produce a uniform cardioid pattern over a wide frequency range.

Because of its excellent and uniform polar response, the model 665 is especially useful in locations where ambient noise and severe reverberation exist. It is equipped with an Acoustifoam[™] pop filter which minimizes wind and breath blasts. The model 665 can be used on a floor or desk stand, or carried in the hand.

SPECIFICATIONS

- Generating Element: Dynamic
- Frequency Response: 70 to 13,000 Hz
- Polar Pattern: Cardioid
- Impedance: 50 and 250 ohms. Recessed switch in microphone stud permits quick, easy selection of either impedance. Line balanced to ground and phased.

- Output: 50-ohm impedance: -58 db*
EIA sensitivity rating, -151 db
250-ohm impedance: -58 db*
EIA sensitivity rating, -150 db
* db = 1 mw/10 dynes/cm²
- Diaphragm: Electro-Voice Acoustalloy[®]
- Case Material: Die cast zinc
- Dimensions: Diameter: 1-7/8" maximum
Length: 7-7/16", not including stud
- Finish: Nonreflecting gray
- Net Weight: 1 pound, 10 ounces, without cable
- Cable: 18-foot, three conductor, shielded, neoprene jacketed, broadcast type.
- Cable Connector: Cannon XL-3-12.
- Stand Coupler: 5/8 inch -27 thread on stud

WARRANTY

The 665, like all Electro-Voice professional microphones, is guaranteed unconditionally against malfunction for two years from date of purchase. Within this period, Electro-Voice will repair or replace, at no charge, any 665 exhibiting any malfunction, regardless of cause, including accidental abuse. In addition, all Electro-Voice professional microphones are guaranteed for life against defects in the original workmanship and materials.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be an Electro-Voice model 665 or equivalent. The microphone shall be a cardioid, dynamic type, with uniform response from 70 to 13,000 Hz. The diaphragm shall be nonmetal-

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lic Acoustalloy and shall have a magnetic shield to prevent dust and iron particles from reaching the diaphragm. Available impedances shall be 50 and 250 ohms. It shall be possible to select either impedance by means of a recessed switch in the microphone stud. Line shall be balanced to ground and phased. The microphone shall be provided with three sound-canceling entrances located in the microphone case at different distances in back of the diaphragm. These three entrances, each utilizing the proper acoustical impedance, shall combine to form one effective back entrance which varies in distance from the diaphragm inversely with frequency. The resulting phase and amplitude conditions shall provide a uniform cardioid pattern at all frequencies.

The output level shall be -58 db with 0 db equaling 1 mw/10 dynes/cm². EIA sensitivity rating shall be -151 db for 50-ohm impedance and -150 db for 250-ohm impedance. The magnetic circuit shall be a nonwelded circuit and employ Alnico V and Armco magnetic iron.

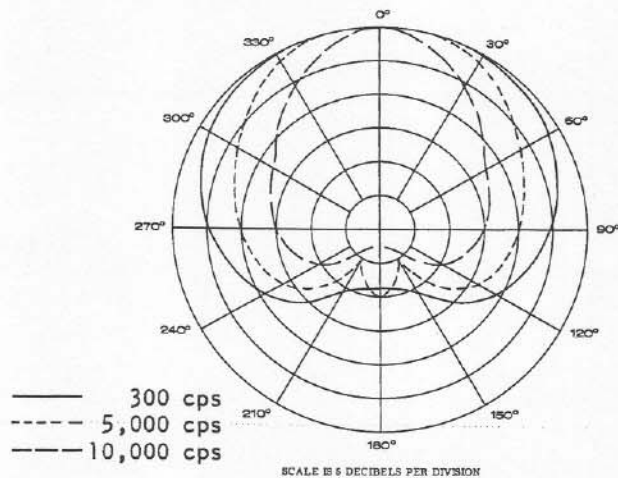


Figure 1-Polar Response

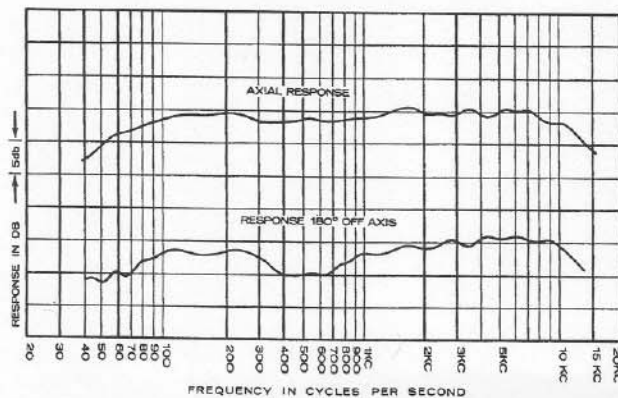


Figure 2-Frequency Response

The case shall be made of die cast zinc. The microphone shall have a maximum diameter of 1-7/8 inch, a length of 7-3/16 inches, not including stud, and a net weight of 1 pound, 10 ounces, less cable. Finish shall be nonreflecting gray. An 18-foot, three conductor, shielded black neoprene jacketed, broadcast type cable shall be provided. The microphone shall have a cable connector similar or equivalent to a Cannon XL-3-12.

The microphone shall include a stand coupler with a 5/8 inch -27 thread on stud. The Electro-Voice model 665 is specified.

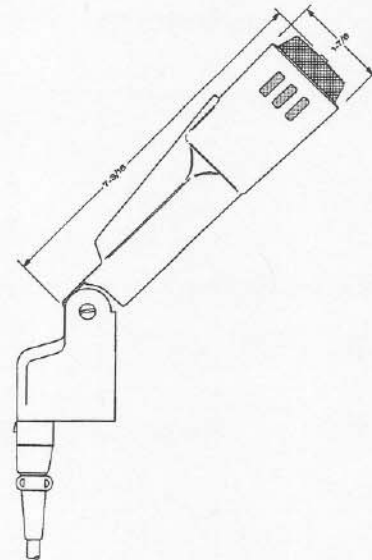


Figure 3-Dimensions

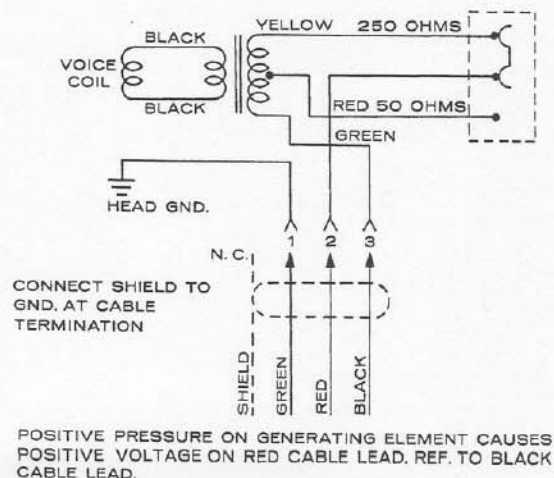


Figure 4-Wiring Diagram