



**DESCRIPTION AND APPLICATIONS**

The Electro-Voice Model 655C microphone is a dynamic, omnidirectional type designed for highest quality FM, AM, and TV broadcasting. The traditional concept of bulk in broadcast microphones has been abandoned in the model 655C. Its slim design is made possible without the necessity for closely associated auxiliary equipment. Wide frequency response, wide pickup angle, and lightweight make it ideal for many BC and TV applications where size is a factor. It is equipped with an integral Electro-Voice Acoustifoam<sup>®</sup> filter which minimizes wind and breath blasts.

The Model 655C can be mounted on a stand coupler which permits tilting the microphone through a 90° arc. It can be mounted also on a floor or desk stand, on a boom, or carried in the hand.

This high-quality microphone features the exclusive Electro-Voice Acoustalloy<sup>®</sup> diaphragm which permits smooth response over a wide frequency range and withstands high humidity, temperature extremes, corrosive effects of salt air, and severe mechanical shocks. It is practically indestructible with normal use.

**SPECIFICATIONS**

- Type: Dynamic
- Frequency Response: Uniform from 40 to 20,000 cps. (See Figure 1.)
- Impedance: 50, 150, and 250 ohms (connected for 150 ohms when shipped) (See Figure 4) for instructions for changing impedance.
- Output:
  - 50-ohm impedance: -57 db\*
    - EIA sensitivity rating, -150 db
  - 150-ohm impedance: -57 db\*
    - EIA sensitivity rating, -151 db
  - 250-ohm impedance: -57 db\*
    - EIA sensitivity rating, -149 db
- \*0 db = 1 mw/10 dynes/cm<sup>2</sup>
- Polar Pattern: Essentially omnidirectional, becoming directional with rise in frequency. See Figure 3.
- Diaphragm: Electro-Voice Acoustalloy<sup>®</sup>
- Magnetic Circuit: Employs Alnico V and Armeo magnetic iron in a nonwelded circuit.
- Case: High Tensile, lathe-turned aluminum
- Finish: Nonreflecting gray
- Dimensions:
  - Diameter: 1-1/8"
  - Length: 10-3/8"
- Net Weight: 7 oz., without cable
- Cable: 20-ft., three conductor, shielded, neoprene-jacketed, broadcast type; equipped with UA-3-11 connector which mates with UA-3-12.
- Stand Coupler: 5/8"-27 and 1/2" pipe thread provided on microphone stand connector.
- Standard Accessories: Carrying bag  
Model 300 clamp
- Warranty: The 655C microphone is guaranteed for life against defects in workmanship and materials. It is guaranteed unconditionally for two years except for damage to exterior finish.

**655C Microphone**

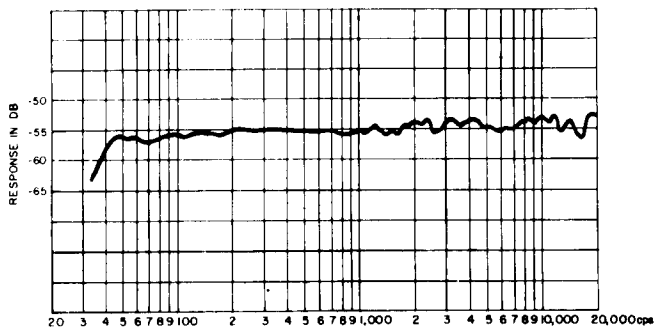


Figure 1

# ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be an Electro-Voice model 655C or equivalent. The microphone shall be an omnidirectional, dynamic type with wide-range, uniform response from 40 to 20,000 cps. The diaphragm shall be nonmetallic Acoustalloy® and shall have a magnetic shield to prevent dust and magnetic particles from reaching the diaphragm. The available impedances shall be 50, 150, or 250 ohms. It shall be possible to select desired impedance by moving one lead from one terminal to another inside the microphone. Line shall be balanced to ground and phased.

The output level shall be -57 db with 0 db equalling 1 mw/10 dynes/cm<sup>2</sup>. EIA sensitivity rating shall be -150 db for 50-ohm impedance, -151 db for 150-ohm impedance, -149 db for 250-ohm impedance. The magnetic circuit shall be a nonwelded circuit and employ Alnico V and Armco magnetic iron. The case shall be made of high tensile lathe-turned aluminum. The microphone shall have a diameter of 1-1/8 inch, a length of 10-3/8 inch, and a weight without cable of 7 ounces. Finish shall be nonreflecting gray. A 20-foot, three-conductor, shielded neoprene-jacketed, broadcast type cable shall be provided. The microphone shall have a built-in cable connector similar or equivalent to the Cannon Model UA-312 connector which will mate with a connector similar or equivalent to the Cannon Model UA-311. It shall be possible to tilt the microphone through a 90-degree arc.

The microphone shall include a detachable stand coupler providing 5/8-inch -27 and 1/2-inch pipe thread. A carrying case shall be provided.

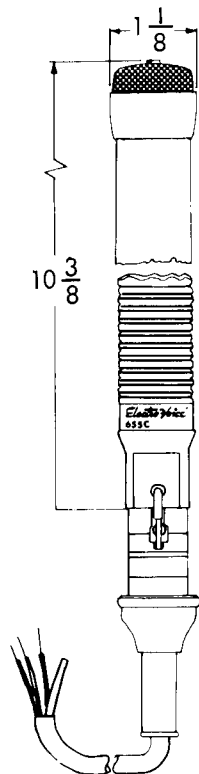
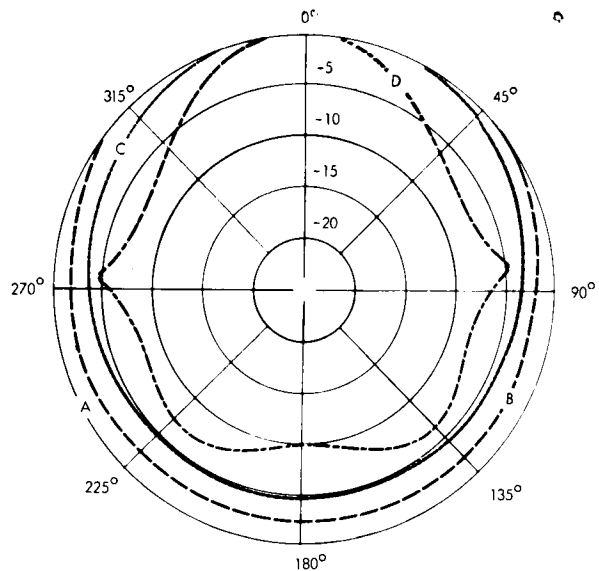


Figure 2



SCALE: 5 DECIBELS PER DIVISION  
 A- 500 c.p.s. B- 1500 c.p.s.  
 C- 5000 c.p.s. D- 10,000 c.p.s.  
 A ——— C - - - - -  
 B - - - - - D - - - - -

Figure 3

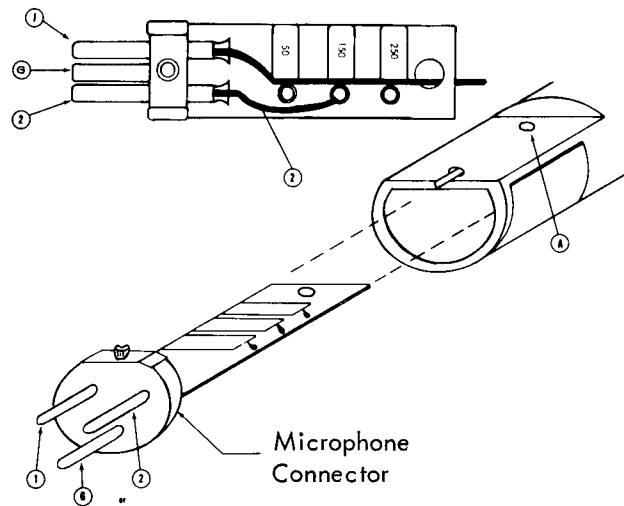


Figure 4

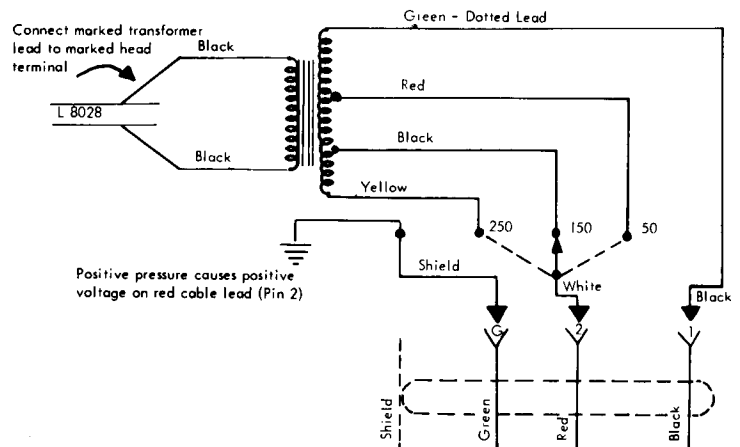


Figure 5