

FIGURE 1 — Response Curve

DESCRIPTION AND APPLICATIONS

The E-V model 635A is a dynamic, omnidirectional microphone designed for exacting professional applications, and is ideally suited for film production, recording, FM, AM, and TV broadcasting, and for the more demanding PA applications.

The model 635A is supplied with the model 312A stand adapter. The non-reflecting fawn beige micomatte finish is ideal for "on camera" use. The high output level and low sensitivity to mechanical shock make it excellent for interviews, for pass around use in audience participation or for hand-held use by vocalists.

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

A four-stage pop and dust filter insures completely pop-free performance and virtually eliminates the need for an external windscreen for outdoor use.

Internal shock absorber effectively reduces pickup of cable and other noise generated by external contact.

SPECIFICATIONS

Element:	Dynamic
Frequency response:	80 – 13,000 Hz
Polar Pattern:	Omnidirectional
Impedance:	Low (150 ohms)
Output level:	–55 dB (0 dB = 1 mw/10 dynes/cm ²)

EIA sensitivity rating	–149 dB
Diaphragm:	Electro-Voice Acoustalloy®
Case material:	Steel
Dimensions:	5-15/16" (151mm) 1. x 1-13/32" (36mm) dia.
Finish:	Fawn beige micomatte
Net Weight:	6 ounces (170g), without cable
Switch:	None
Cable:	15' (4.6m), 2-conductor shielded broadcast type synthetic rubber-jacketed with Switchcraft A3F connector.
Accessories Furnished:	Model 312A Stand Adapter
Optional Accessories:	Model 307 Shockmount Model 314E Windscreen Model 340 Security Clamp Model 342 Security Stud Mount

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be an Electro-Voice model 635A or equivalent. The microphone shall be an omnidirectional dynamic type with wide-range response uniform from 80 to 13,000 Hz. It shall have a non-metallic Acoustalloy diaphragm and a four-stage pop filter and magnetic shield to prevent dust and magnetic particles from reaching the diaphragm. The impedance shall be such that the microphone will match 50, 150, and 250 ohm inputs. The line shall be balanced to ground and phased.

The output level shall be –55 dB with 0 dB equalling 1 mw/10 dynes/cm². EIA sensitivity rating shall be –149 dB. The magnetic circuit shall be a nonwelded circuit and employ Alnico V and Armco magnetic iron. The case shall be made of steel.

The microphone shall have a maximum diameter of 1-13/32" (36mm), and a length of 5-15/16" (151mm), and a weight, without cable, of 6 oz. (170g). Finish shall be non-reflecting fawn beige micomatte. A 15 foot (4.6m), 2-conductor shielded, synthetic rubber-jacketed, broadcast type cable shall be provided with a Switchcraft A3F or equivalent connector installed. The microphone shall have a built-in connector similar or equivalent to the Switchcraft A3M. The microphone shall include a stand coupler with a 5/8"-27 thread. The Electro-Voice Model 635A is specified.

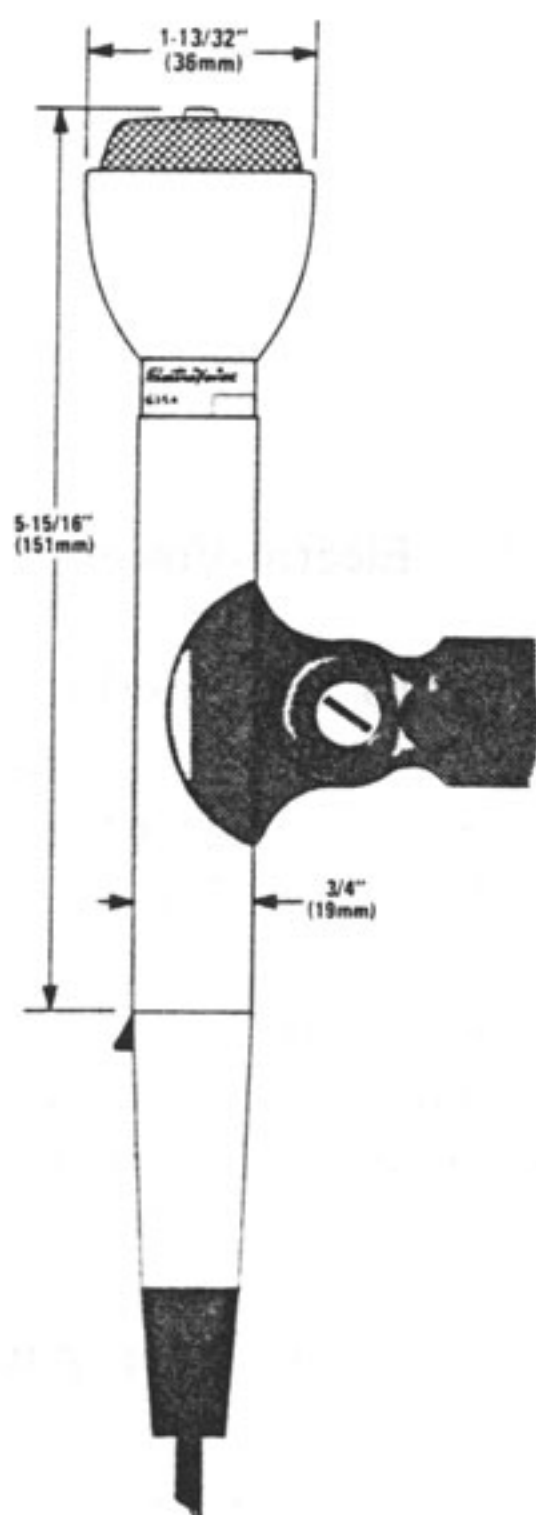


FIGURE 2 – Dimensions

WARRANTY

Electro-Voice Professional Dynamic Broadcast, Recording, and Sound Reinforcement Microphones are guaranteed unconditionally against malfunction from any cause for a period of two years from date of original purchase. Also, every Electro-Voice microphone is guaranteed for the life of the microphone against malfunction due to defects in workmanship and materials. If such malfunction occurs, microphone will be repaired or replaced (at our option) without charge for materials or labor if delivered prepaid to the proper Electro-Voice service facility. Unit will be returned prepaid. Warranty does not cover finish, appearance items, cables, cable connectors, or switches and lifetime warranty does not cover malfunction due to abuse or operation at other than specified conditions. Repair by other than Electro-Voice or its authorized service agencies will void this guarantee.

For correct shipping address, instructions on return of Electro-Voice products for repair, and locations of authorized service agencies, please write: Service Department, Electro-Voice, Inc., 600 Cecil Street, Buchanan, Michigan 49107 (Phone 616/695-6831).

Electro-Voice also maintains complete facilities for non-warranty service of E-V products.

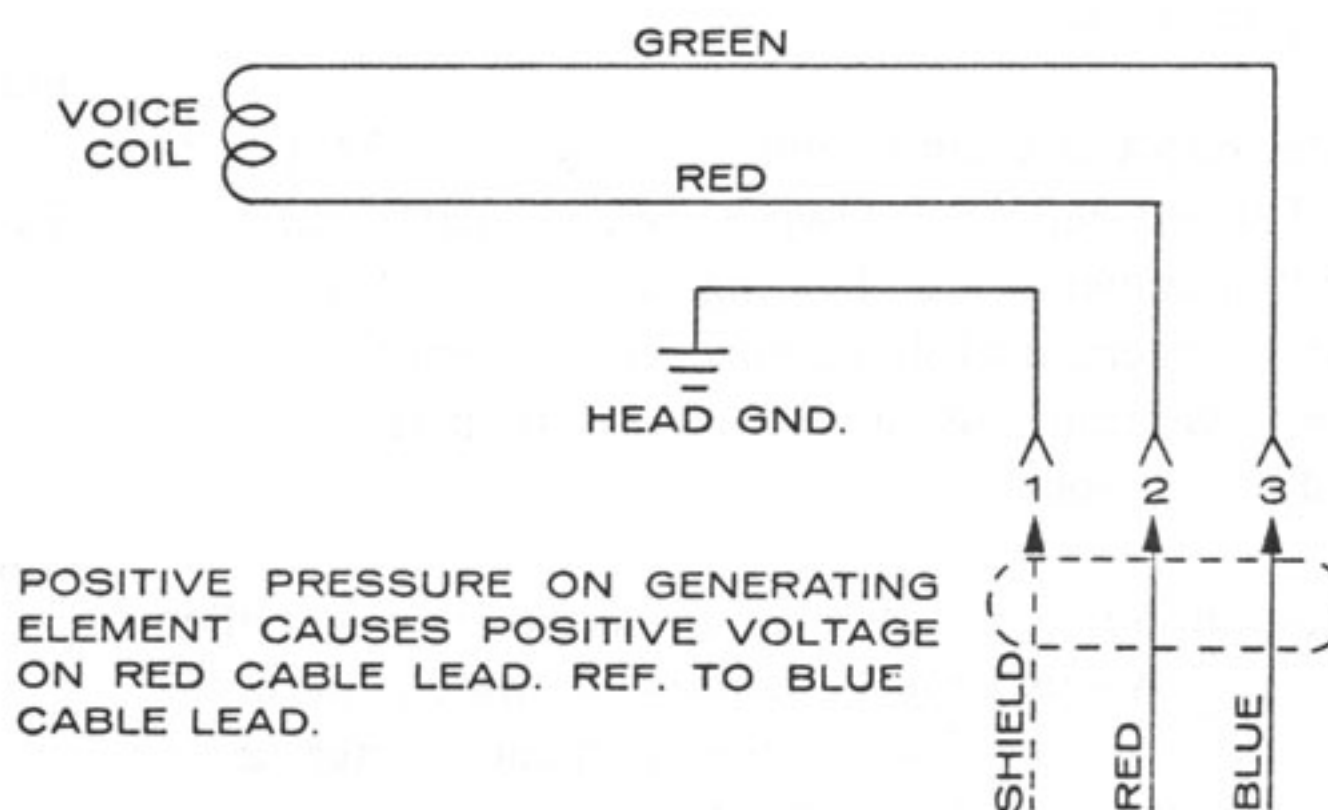


FIGURE 3 – Wiring Diagram