



ElectroVoice®

a MARK IV company

Model 602F Dynamic Noise-Cancelling Microphone

SPECIFICATIONS

Element:

Dynamic

Frequency Response:

200 to 5000 Hz

Polar Pattern:

Bi-directional, pressure gradient

Impedance:

Hi-Z and 150 ohms (Lo-Z)

Output Level:

-60 dB

EIA Sensitivity Rating,

150 ohms:

-154 dB

Hi-Z:

-158 dB

Diaphragm:

Acoustalloy®

Case Material:

Cyclac

Dimensions:

68.3 mm (2-11/16") wide x
58 mm (2-9/32") diameter x
98.4 mm (3-7/8") high

Finish:

Gray leather grain

Net Weight:

298 g (10.5 ounces), less cable

Switch:

On-off switch provides two separate circuits, one shorts microphone in OFF position, removes short circuit in ON position. Second circuit available for external relay circuit

Cable,

Hi-Z:

3-conductor (one shielded)
coiled cord, extends to
1.8 m (six feet)

Lo-Z:

4-conductor, (two shielded)
rubber-jacketed coiled cord
extends to 1.8 m (six feet)

Accessories:

Dash mounting bracket

DESCRIPTION

The Model 602F is a dynamic noise-cancelling, handheld microphone especially designed for high articulation speech transmission in high ambient noise conditions. The microphone may be employed in noisy situations where successful voice communications would otherwise be impossible. The Model 602F may be used indoors or out, in extremes of weather and temperature, wherever a handheld microphone is desired. Typical applications include mobile public address systems, police and marine services, commercial and amateur communications, and paging. The noise-cancelling characteristic makes it especially effective for use in public address applications where severe feedback due to microphone position in relation to loudspeakers is a problem.

Effective discrimination is afforded against all sound originating more than 1/4 inch from the microphone. The noise-cancelling characteristic is achieved through the use of a balanced port opening which presents unwanted sound to the rear of the diaphragm out of phase with the same sound arriving at the front of the diaphragm. The noise-cancelling characteristic is effective beyond 2000 Hz—a valuable improvement over previously available noise-cancelling designs.

The Model 602F is designed for comfortable, convenient use in either hand. The functional styling, the extremely durable Cyclac housing, the life-time switch assembly cycled without failure more than 250,000 times, result in a noise-cancelling microphone superior in performance, and capable of long-term survival in the most demanding applications.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be an Electro-Voice Model 602F or equivalent. The microphone shall be a noise-cancelling dynamic type, with uniform frequency response from 200 to 5000 Hz. The diaphragm shall be of nonmetallic Acoustalloy®. The microphone shall have one of the following



WARRANTY (Limited) —

For repair information and service locations, please write: Service Department, Electro-Voice, Inc., 600 Cecil Street, Buchanan, Michigan 49107 (Phone 616/695-6831) or 7473 Avenue 304, Visalia, CA 93277 (209/625-1330-1).

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



MANUFACTURING PLANTS AT ■ BUCHANAN, MI ■ NEWPORT, TN ■ SEVIERVILLE, TN ■ REDMOND, WA ■ GANANOCQUE, ONT.
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