

**RE50/B**  
Omnidirectional Dynamic  
Microphone



**Key Features:**

- **Ultimate news gathering microphone**
- **Extremely effective and unique handling-noise isolation system**
- **Unsurpassed ruggedness and reliability in every environment**
- **Self generating, no battery or phantom power required**
- **Consistent response with distance, no muddy lows when used close to lips**



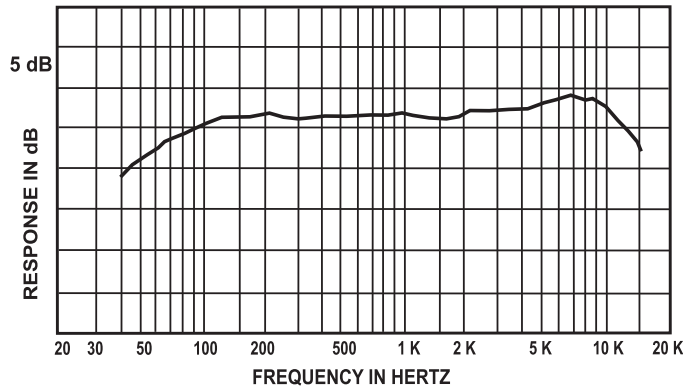
**General Description:**

The Electro-Voice® RE50/B is specially shock-isolated, omnidirectional, dynamic microphone created for the most exacting professional applications. An advancement in shock-mounting techniques, it was designed particularly for handheld broadcast and sound-reinforcement use. All handling noise, clothing noise, and even cord shock have been isolated from the microphone element so that mechanically induced noise is greatly reduced. By use of a high-mass zinc internal acoustic chamber, shock mounted within the machined-aluminum outercasing, the RE50/B offers a degree of isolation unprecedented in omnidirectional dynamic microphones. The internal transducer uses a mechanical nesting concept all its own. Each part is nested inside another so that the transducer (head assembly) is nearly a solid structure. It is highly resistant to damage from shock. The diaphragm is unaffected by temperature extremes and atmospheric conditions. A carefully designed integral windscreen and blast filter provides excellent protection from wind noise, excessive sibilance and annoying “P-popping.” The RE50/B has a grille that bounces back to retain its shape. A four-stage pop filter prevents dust and magnetic particles from reaching the diaphragm. The RE50/B’s attractive, nonreflecting, semi-gloss black finish is ideal for on-camera use.

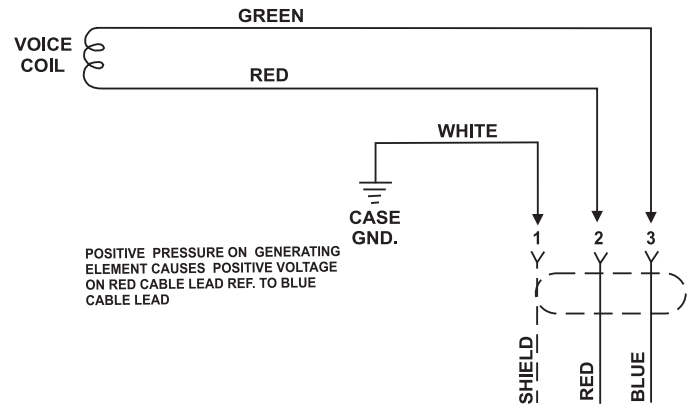
**Technical Specifications:**

Generation Element:	Dynamic
Frequency Response:	80 Hz to 13,000 Hz (see chart)
Polar Pattern:	Omnidirectional
Impedance, Low-Z:	150 ohms
Sensitivity, Open Circuit Voltage, 1 kHz:	1.6mV/Pascal
Case Material:	Aluminum
Dimensions:	Length = 197mm (7.75") Max. Diameter = 49mm (1.94") Shank Diameter = 25mm (1.0")
Finish:	Semi-Gloss Black
Accessories Included:	Stand Adapter (Black)
Optional Accessories:	376 Charcoal Windscreen 379-1 Black Windscreen 379-2 Red Windscreen 422A Desk Stand
Net Weight:	269 grams (9.5 oz.)
Shipping Weight:	539 grams (19 oz.)

## Frequency Response:



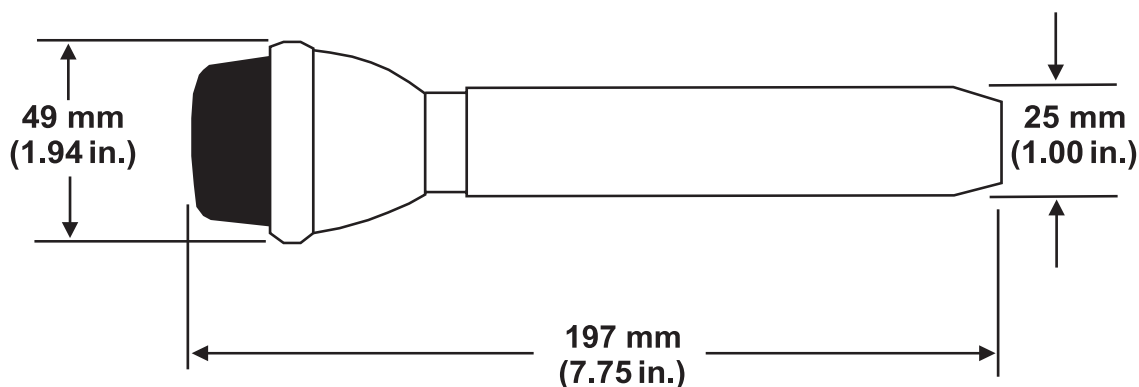
## Wiring Diagram:



## Architects' and Engineers' Specifications:

The microphone shall be an omnidirectional, dynamic type with broadcast range response from 80-13,000 Hz. It shall employ a high-mass zinc acoustic chamber, integral with the head assembly that shall be shock isolated within an external aluminum case. It shall have a four-stage pop filter to prevent dust and magnetic particles from reaching the diaphragm. Nominal impedance shall be 150 ohms (such that it will match 50-150, and 250-ohms inputs). The line shall be balanced to ground and phased. Output level shall be 1.6mV/pascal. The magnetic circuit shall be a nonwelded circuit and employ Alnico V and magnetic iron. The inner case shall be made of zinc and the outer case of machined aluminum. The microphone shall have a maximum diameter of 49 mm (1.94 in.) and a length of 197 mm (7.75 in.). Shank diameter shall be 25 mm (1.0 in.). Weight shall be 269 grams (9.5 oz.). Finish shall be semi-gloss black. The microphone shall have a built-in connector similar or equivalent to the Switchcraft A3M. The Electro-Voice RE50/B is specified.

## Dimension Drawing:



**Ey Electro-Voice®**

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For technical assistance, contact Technical Support at: 800/392-3497 or 952/736-4656

Specifications subject to change without notice.