

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**



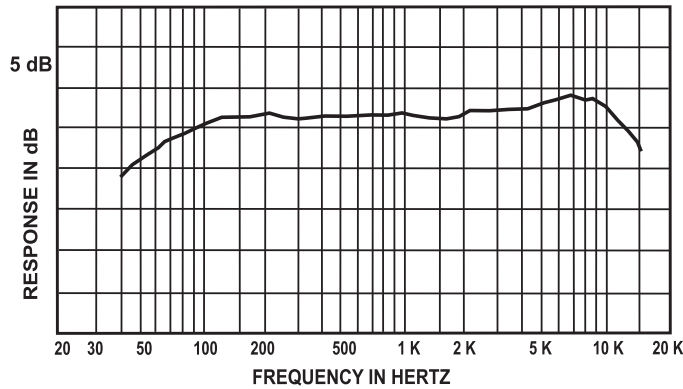
General Description:

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.

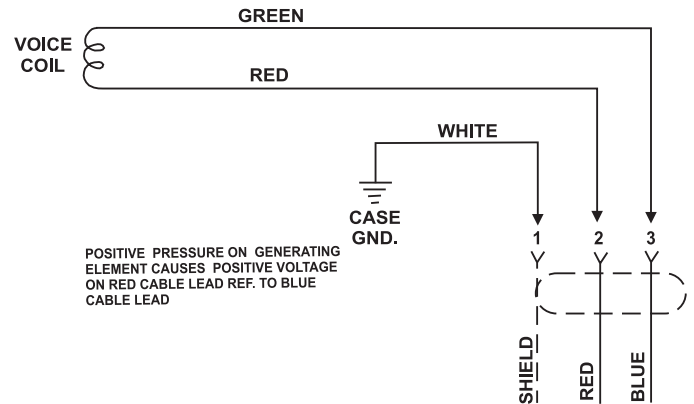
Technical Specifications:

| | |
|---|--|
| 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:



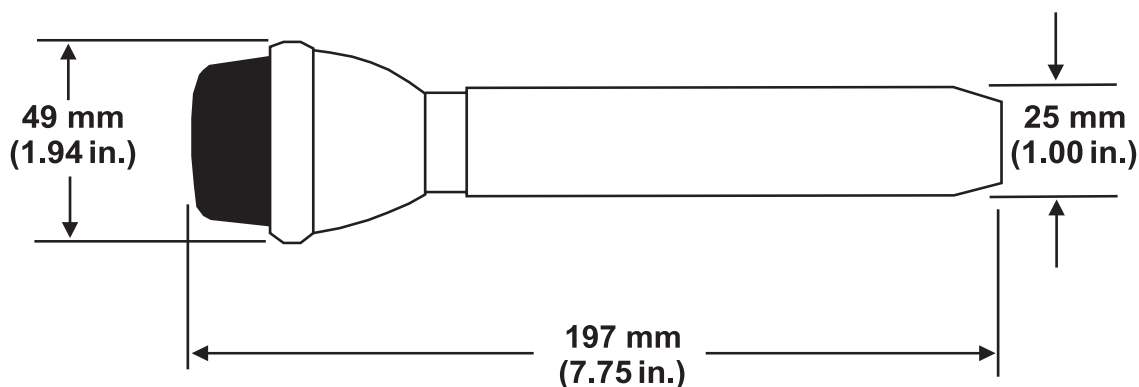
Wiring Diagram:



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:



EV Electro-Voice®

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www.electrovoice.com

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For warranty repair or service information, contact the Service Repair department at:
800/553-5992 or 402/467-5321

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

Specifications subject to change without notice.