

**RE50ND-B**  
**Shock-Mounted**  
**Omnidirectional**  
**Dynamic Microphone**



**Key Features:**

- **Powerful Electro-Voice neodymium (N/DYM®) magnet results in greater output than with standard alnico magnets**
- **DynaDamp™ shock-isolation system for low handling noise**
- **Rugged design**
- **Finished in semigloss “camera” black**
- **Comes complete with stand clamp and vinyl pouch**



**General Description:**

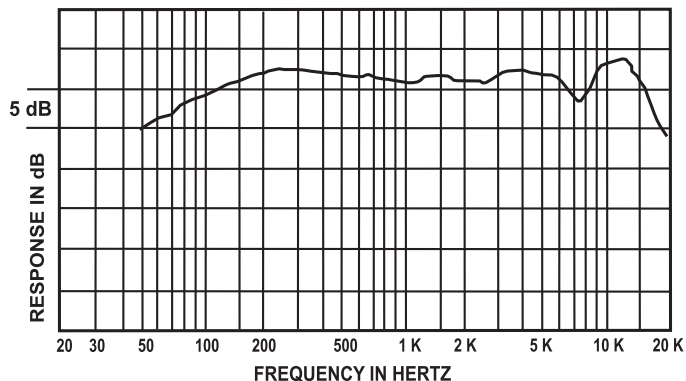
The Electro-Voice® RE50N/D-B shock-mounted, dynamic omnidirectional microphone is an offspring of the legendary RE50 microphone. Built with the same rugged design as the RE50, the RE50N/D-B features a DynaDamp™ shock mount for greater ruggedness and isolation, and a new neodymium N/DYM® magnet structure to provide increased sensitivity required in exacting professional applications. Ideally suited for handheld broadcast and sound reinforcement applications, the RE50N/D-B has been built for superior isolation from mechanically induced noise. Handling noise, clothing noise, and even cord shock are isolated from the microphone element. Within the microphone’s machined-aluminum outercasing, a DynaDamp™ shock mount (manufactured using an advanced vibration-isolation material) surrounds the high-mass internal acoustic chamber and microphone element, resulting in a degree of isolation unprecedented in an omnidirectional dynamic microphone. The transducer is protected through a unique interlocking concept, making the RE50N/D-B practically indestructible with normal use. The transducer, fitted within a high-mass internal case, is shock-isolated within an attractive external case, therefore protecting the transducer from sudden shock. The microphone’s diaphragm permits a very smooth response over a wide frequency range, yet it withstands high humidity and temperature extremes, corrosive effects of salt air and severe mechanical shocks. The diaphragm is protected from dust and magnetic particles by a carefully designed integral windscreen and blast filter which also provides excellent protection from wind noise, excessive sibilance and annoying “P-popping.” The microphone’s Memreflex™ grille is designed to bounce back to its original shape when bumped or dropped.

**Technical Specifications:**

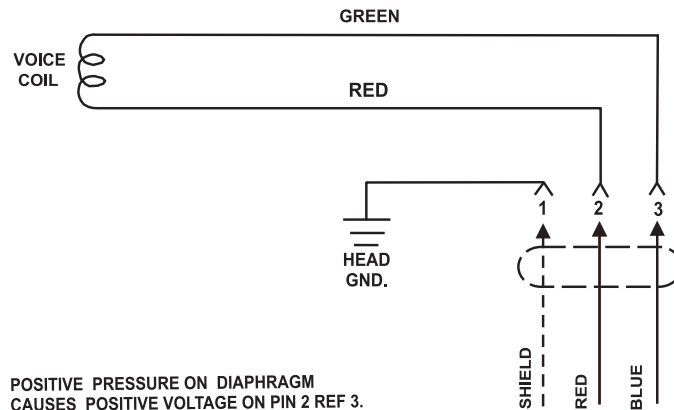
Generation Element:	Dynamic
Frequency Response:	80 Hz to 13,000 Hz (see chart)
Polar Pattern:	Omnidirectional
Impedance:	150 ohms balanced
Sensitivity, Open Circuit Voltage, 1 kHz:	2.2mV/Pascal
Diaphragm Material:	Acoustalloy®
Magnetic Circuit:	N/DYM® magnet in a nonwelded circuit
Microphone Connector:	3-Pin, XLR-type, PIN 2 positive
Polarity:	Pin 2 positive, referenced to pin 3 with positive pressure on diaphragm
Case Material:	Aluminum
Finish:	Semi-Gloss "Camera" Black
Accessories Included:	323S Stand Adapter (Black) Zippered Vinyl Carrying Pouch
Optional Accessories:	376 Charcoal Windscreen 379-1 Black Windscreen 379-2 Red Windscreen 422A Desk Stand
Dimensions:	Length = 197mm (7.75") Max. Diameter = 49mm (1.94") Shank Diameter = 25mm (1.0")
Net Weight:	269 grams (9.5 oz.)
Shipping Weight:	539 grams (19 oz.)

The RE50N/D-B in “camera” black is ideal for “on-camera” use. The microphone is supplied with the 323S (black) stand adapter and a zippered, vinyl carrying pouch.

## Frequency Response:



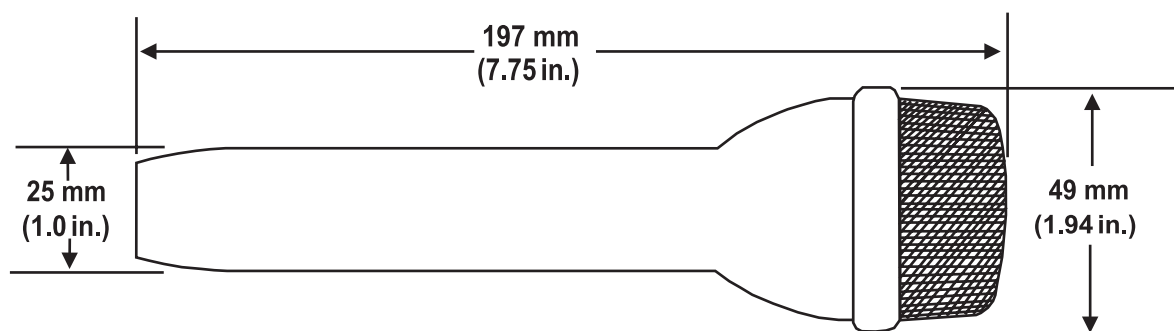
## Wiring Diagram:



## Architects' and Engineers' Specifications:

The microphone shall be a shock-mounted, omnidirectional, dynamic type with wide-range response uniform from 80 to 13,000 Hz. The microphone shall employ a high-mass acoustic chamber, integral with the transducer assembly that shall be shock-isolated within an external aluminum case. The microphone shall have an internal pop blast filter 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 2.2mV/pascal. The magnetic circuit shall be nonwelded and employ a neodymium alloy magnet. The inner case shall be made of steel 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 g (9.5 oz). Finish shall be nonreflecting semi-gloss black. The microphone shall have a built-in, 3-pin, XLR-type connector, and shall include a 5/8-in. -27-thread stand coupler and a zippered vinyl carrying pouch. The Electro-Voice RE50N/D-B is specified.

## Dimension Drawing:



**EV Electro-Voice®**

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Specifications subject to change without notice.