

# Electro-Voice®



## N/D767

### N/DYM® Dynamic Supercardioid Lead Vocal Microphone

- Designed specifically for lead vocalists
- Ideal for both live performance and in the recording studio
- Switchable bass roll-off filter for maximum vocal clarity
- Large diaphragm N/DYM® transducer for condenser-like sensitivity and frequency response
- Superior multistage shock mount for unmatched low handling noise

#### Description

The Electro-Voice N/D767, part of a new generation of N/DYM® microphones, is designed for live performance or studio vocal recording. The N/D767 has been manufactured with refinements which enhance the sonic smoothness, improve gain-before-feedback and provide consistent performance with greater durability than earlier generations of N/DYM® microphones. EV's microphone designers fashioned into the N/D767 a smooth, extended frequency response with a gentle rise in the mid-frequencies for the optimum vocal clarity found in studio-quality microphones. The N/D767 also features an outstanding neodymium-iron-boron magnetic structure that provides greater sensitivity and exceptional signal-to-noise ratio for improved recording quality. These features make the N/D767 the microphone of choice for the discriminating vocalist who demands a product that delivers studio-quality performance with a warm richness that enhances the voice.

The N/D767 features a user selectable roll-off switch, providing a choice between an extended bass response (for warm, close-up vocals) and reduced low frequencies (to minimize "boominess"). A highly effective

hum-bucking coil is also used to cancel hum interference from lighting and other power sources.

N/DYM® microphones feature EV's AcoustiDYM™ shock-mount system. This unique vibration isolating system works as a multistage device. At low frequencies, a rear sound wave cancels the diaphragm motion while, at high frequencies, the specially designed rubber shock mount isolates the transducer from motion. Combining AcoustiDYM™ with the elastomeric Warm-Grip™ handle and the windscreen bumper produces an advanced technology, vibration isolating system which dramatically reduces all forms of handling noise for the most demanding situations.

The N/D767 has a supercardioid polar pattern which is unusually uniform with frequency, ensuring superior gain-before-feedback in live applications and provides superb acoustic isolation.

The N/D767 pop filter's unique design utilizes a specially processed Acoustifoam™ filter to minimize wind noise and vocal P-pops. This design makes the pop filter an integral part of the microphone's removable front grille assembly, allowing easy cleaning for continued top performance.

#### Operation

The N/D767's low-frequency response varies with the distance of the sound source to the microphone. This is known as "proximity effect." Maximum bass response is produced in close-up use with the microphone 1/4 inch from the sound source. The N/D767 features a switchable roll-off filter whose response is tailored to restrain this bass boost effect if desired. Minimal bass response is experienced at distances greater than 24 inches. Closer working distances, in addition to the N/D767's supercardioid polar pattern, reduce the risk of sound-system feedback while preserving intelligibility.

By working closer to the microphone, the human voice will sound more robust. However, the significant bass boost provides an increase in overall microphone output level. The mixer gain may be proportionately reduced, resulting in a reduction of the system's sensitivity to feedback caused by sound entering the microphone from the distant loudspeakers.

The dynamic element of the N/D767 will provide reliable operation in extreme temperature, humidity and other adverse conditions that would render typical condenser

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microphones useless. These N/D767 features will provide years of trouble-free operation.

### Certified Performance

Every N/D767 is inspected by a quality control tester and subjected to a computer-controlled test system that verifies numerous performance parameters. After the performance meets or exceeds our rigorous standards, the actual measured frequency response is plotted on a "Certificate of Performance" and included with the microphone. Certified performance may vary from published "Average Response." This certificate guarantees that each N/D767 will perform to exacting standards of the **100% quality assurance testing**, established by EV's design engineers.

### Limited Warranty

Electro-Voice products are guaranteed against malfunction due to defects in materials or workmanship for a specified period, as noted in the individual product-line statement(s) below, or in the individual product data sheet or owner's manual, beginning with the date of original purchase. If such malfunction occurs during the specified period, the product will be repaired or replaced (at our option) without charge. The product

will be returned to the customer prepaid.

**Exclusions and Limitations:** The Limited Warranty does not apply to: (a) exterior finish or appearance; (b) certain specific items described in the individual product-line statement(s) below, or in the individual product data sheet or owner's manual; (c) malfunction resulting from use or operation of the product other than as specified in the product data sheet or owner's manual; (d) malfunction resulting from misuse or abuse of the product; or (e) malfunction occurring at any time after repairs have been made to the product by anyone other than EVI Audio Service or any of its authorized service representatives. **Obtaining Warranty Service:** To obtain warranty service, a customer must deliver the product, prepaid, to EVI Audio Service or any of its authorized service representatives together with proof of purchase of the product in the form of a bill of sale or receipted invoice. A list of authorized service representatives is available from EVI Audio Service at 600 Cecil Street, Buchanan, MI 49107 (800/685-2606 or FAX 616/695-4743). **Incidental and Consequential Damages Excluded:** Product repair or replacement and return to the customer are the only remedies provided to the customer. Electro-Voice shall not be liable for any incidental or consequential damages including, without limitation, injury to per-

sons or property or loss of use. Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you. **Other Rights:** This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

**Electro-Voice Wired Microphones** are guaranteed against malfunction from any cause for two (2) years from the date of original purchase. In addition, the Limited Warranty for the acoustic system contained in these microphones shall apply for the life of the product, defined as a period of ten (10) years from the date that the manufacture of the specific microphone has been discontinued. Any and all active electronics incorporated in these microphones are guaranteed against malfunction due to defects in materials or workmanship for a period of three (3) years from the date of original purchase. The Limited Warranty does not extend to cables, cable connectors, or switches. Additional details are included in the Uniform Limited Warranty statement.

**For technical assistance,** contact Technical Support at 800/234-6831 or 616/695-6831, M-F, 8:00 a.m. to 5:00 p.m. Eastern Standard time.

Specifications subject to change without notice.

# N/D767 Supercardioid Lead Vocal Microphone

Figure 1—Frequency Response

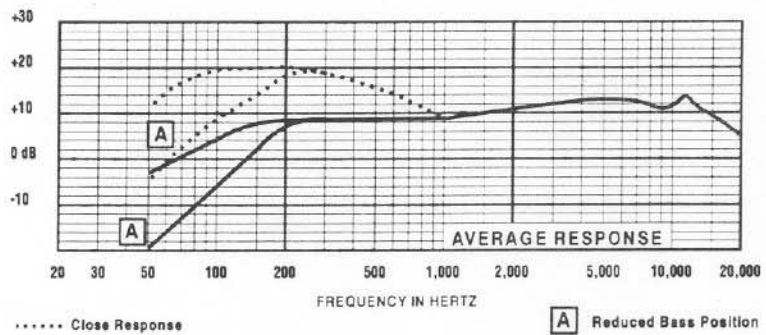


Figure 2—Polar Response

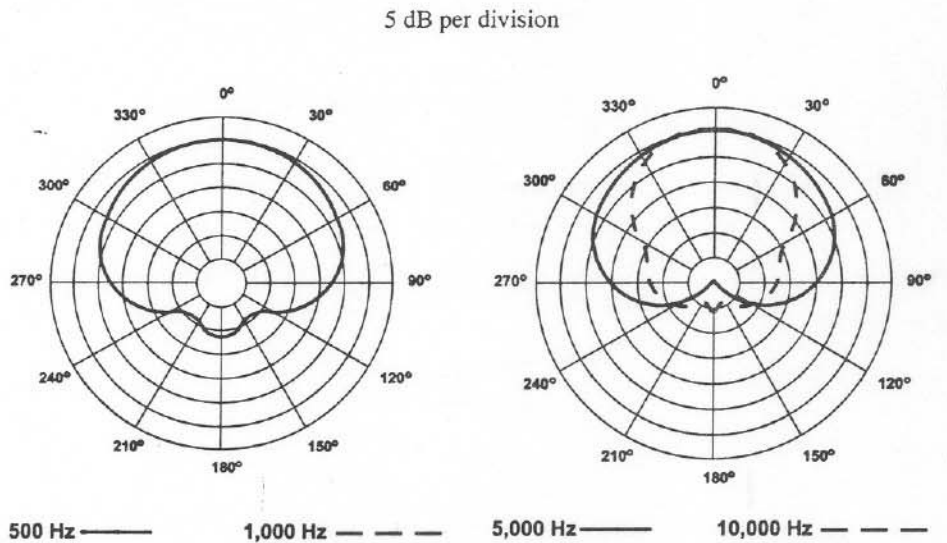
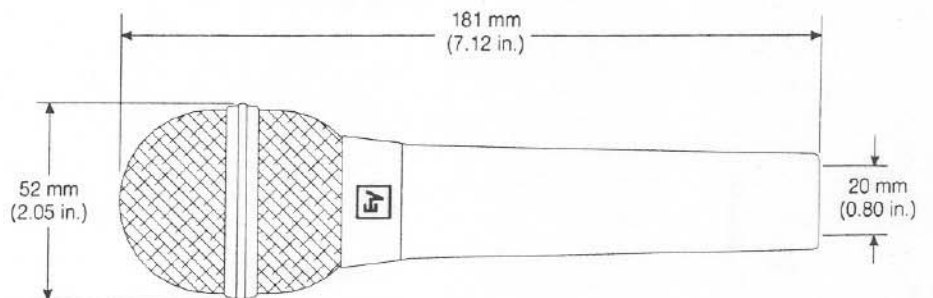


Figure 2—Dimensions



## N/D767 Supercardioid Lead Vocal Microphone

### Specifications

#### Frequency Response,

##### Close Response:

25-22,000 Hz

##### Far Response:

50-22,000 Hz

#### Polar Pattern:

Supercardioid

#### Sensitivity,

##### Open Circuit Voltage @ 1 kHz:

3.1 mV/pascal

#### Power Level @ 1 kHz:

-51 dB

(0 dB = 1mW/pascal)

#### Dynamic Range:

144 dB

#### Equivalent Output Noise:

14 dB A weighted

(0 dB = 0.00002 pascal)

#### Polarity:

Positive pressure on diaphragm causes

positive voltage on pin 2 ref. pin 3

#### Impedance:

150 ohms balanced (low-Z)

#### Materials,

##### Grille Screen:

Memraflex™

##### Handle:

Warm-Grip™

##### Finish:

Nonreflecting black

#### Accessories Included:

323S stand clamp

Soft zippered "gig" bag

#### Dimensions,

##### Length:

181 mm (7.12 in.)

##### Diameter:

52 mm (2.05 in.)

##### Shank:

20 mm (0.80 in.)

#### Net Weight:

260 g (9.2 oz)

#### Shipping Weight:

535 g (18.9 oz)

MADE IN USA

# Electro-Voice®

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MICROPHONES—N/DYM\*

Part Number 534571-9749

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