



ROYER SF-2

Active Ribbon-Velocity Studio Microphone

The SF-2 is a compact, monaural, phantom powered active ribbon microphone, exhibiting flat frequency response and a well balanced, panoramic soundfield. The SF-2 has superb transient response due to its low-mass 1.8-micron ribbon element. Frequency response is excellent regardless of the angle of sound striking the ribbon, and off-axis coloration is negligible.

The heart of the SF-2 is its ribbon transducer's proprietary cross-field motor assembly. Comprised of four powerful Neodymium magnets and Permendur iron pole pieces, the cross-field design assures the shortest front-to-rear ribbon path length for maximum high frequency response. The SF-2's active electronics produce an output comparable to studio condenser microphones, while providing an optimum load to the ribbon at all times. The low output impedance of the SF-2 enables it to operate with any microphone pre-amplifier of average gain and impedance characteristics, and makes it suitable for use with long cable runs

SF-2 FEATURES

- Operates from standard 48-volt simplex power
- Active electronics provide high output capability
- Extremely low self noise
- Ribbon element not affected by load presented to microphone
- Ribbon element unaffected by heat or humidity
- Equal sensitivity from front and back of element
- Consistent frequency response regardless of distance to sound source
- Very low magnetic leakage

RECOMMENDED APPLICATIONS

- Choir, Orchestra, String Sections
- Overhead & Distance Miking
- Brass Instruments - Horn Sections
- Woodwinds, Flute & other reed instruments
- Acoustic Piano, Harp
- Violin, Cello & other stringed instruments
- Acoustic Guitar, Mandolin, Banjo, etc.
- Voice-over & Vocals



Actual size

ROYER SF-2

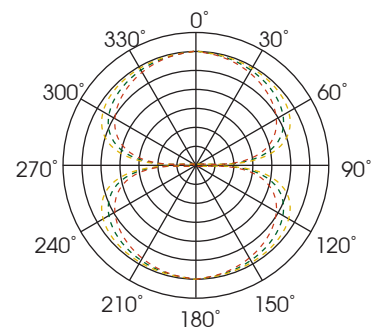
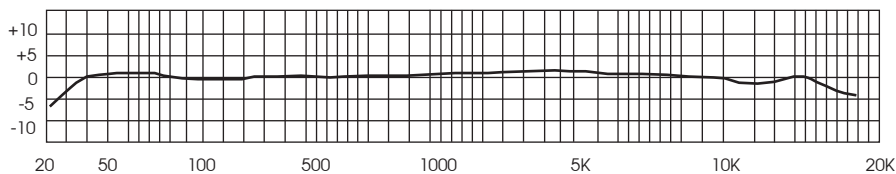
Technical Specifications



Acoustic Operating Principle	Electrodynamic pressure gradient with active electronics.
Polar Pattern	Symmetrical figure-8
Generating Element	1.8-micron aluminum ribbon
Magnets	Rare Earth Neodymium
Frequency Response	30-15000 HZ \pm 3dB
Sensitivity	-38dB (re. 1v/pa \pm 1dB)
Self Noise	< 20 dB
Output Impedance	< 300 Ohms
Output Connector	Male XLR 3-Pin (Pin 2 Hot)
Rated Load Impedance	> 1K-Ohm
Power Requirements	48-Volt Phantom Only
Supply Current	4 mA.
Dimensions	8" X 1.5" wide (base) X 1" wide (top) (203mm X 39mm X 25mm)
Weight	16.4 OZ. (465 grams)
Finish	Matte Black
Accessories	Sling-Shock shock mount, protective microphone case, mic sock, carrying case
Optional Accessories	Wind screen, Pop-filter
Microphone Warranty	Lifetime to original owner (repair or replace at Royer's option)
Ribbon Element Warranty	First re-ribbon free to original owner within first year of purchase

Matched pairs are available at extra charge

Frequency Response and Polar Pattern



- - - 200Hz
 - - - 1kHz
 - - - 10kHz

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