

EM-6992B | Broadband Preamplifier



Description

The EM-6990B Broadband Preamplifier is used primarily with the EM-6992 Near Field Probe Set in performing EMI diagnostic testing. The EM-6990B provides a significant improvement in the overall measurement sensitivity of the typical spectrum analyzer. Powered by an external +15V DC input, the EM-6990B features integrated voltage regulation and filtering circuitry, ensuring reliable operation in both bench and field testing scenarios.

The EM-6990B is a quality preamplifier with high performance, suitable for several applications. It improves the sensitivity of the EMI analyzers, spectrum analyzers, oscilloscopes and many other devices without distortion of amplitude accuracy.

Specifications

Electrical

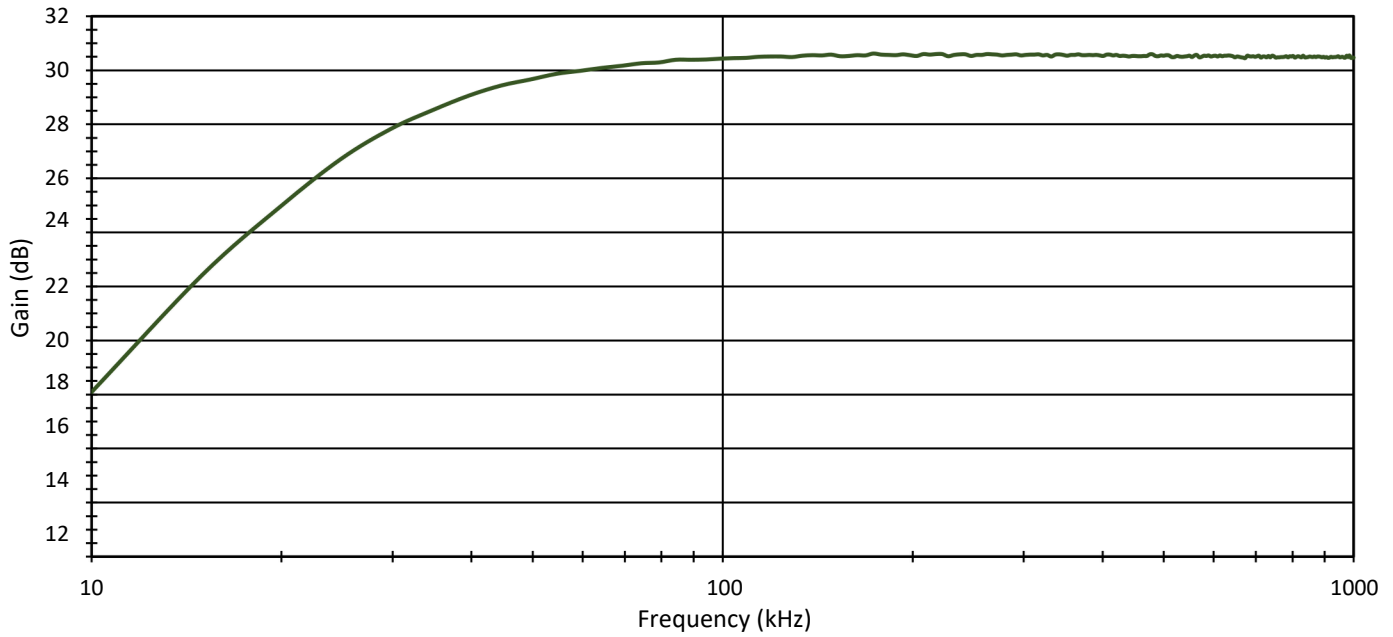
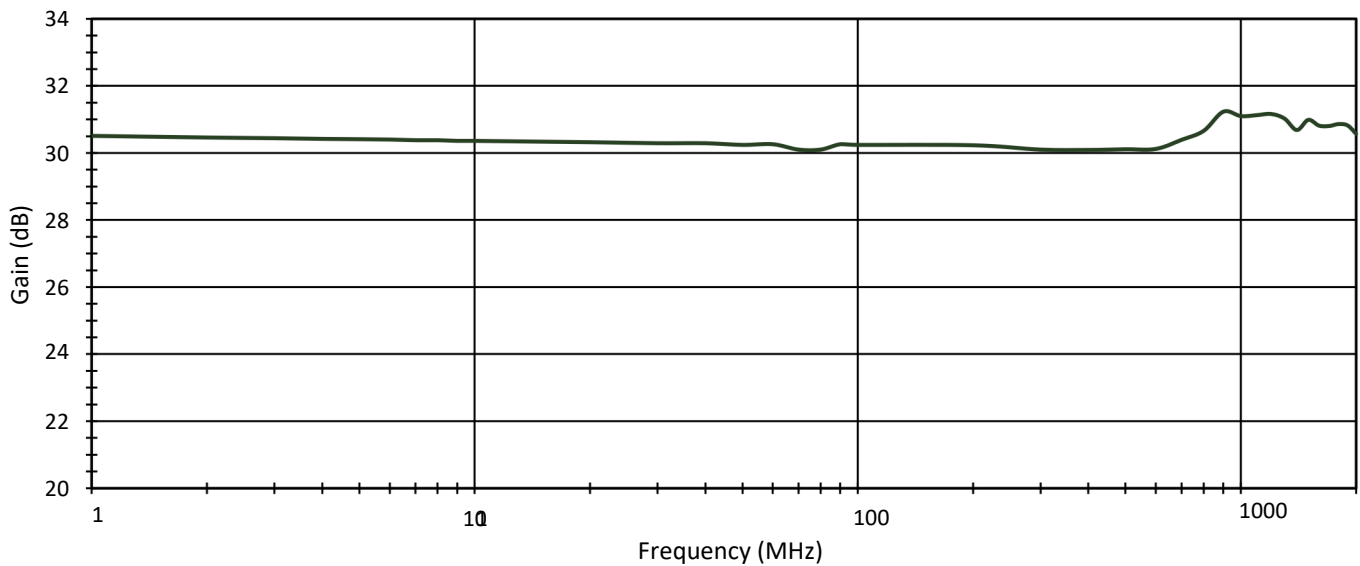
Probe Frequency Range:	10 kHz – 2 GHz
VSWR:	1.5:1 Average Input 1.7:1 Average Output
Gain:	31 dB Typical above 1 MHz 29 dB @ 100 kHz 18 dB @ 10 kHz
1dB Compression:	-25dBm Nominal
Noise Figure:	4.75 dB Average above 10 MHz
Gain Flatness:	+/- 1 dB Typical
Impedance:	50Ω, Nominal
Connector:	BNC (F) (EM-6990B 10 kHz – 2 GHz)

Mechanical

Length:	76.00 mm (3")
Width:	39.37 mm (1.55")
Height:	46.50 mm (1.83")
Weight:	400g (0.4 lbs.)
Color Options:	Black
Optional Accessories:	15V, 1A DC Power Supply (Included)
	BNC (m) to BNC (m) coaxial cable, 3ft.

Specifications subject to change without notice, unless otherwise specified. Product is manufactured in Johnstown, NY, U.S.A.



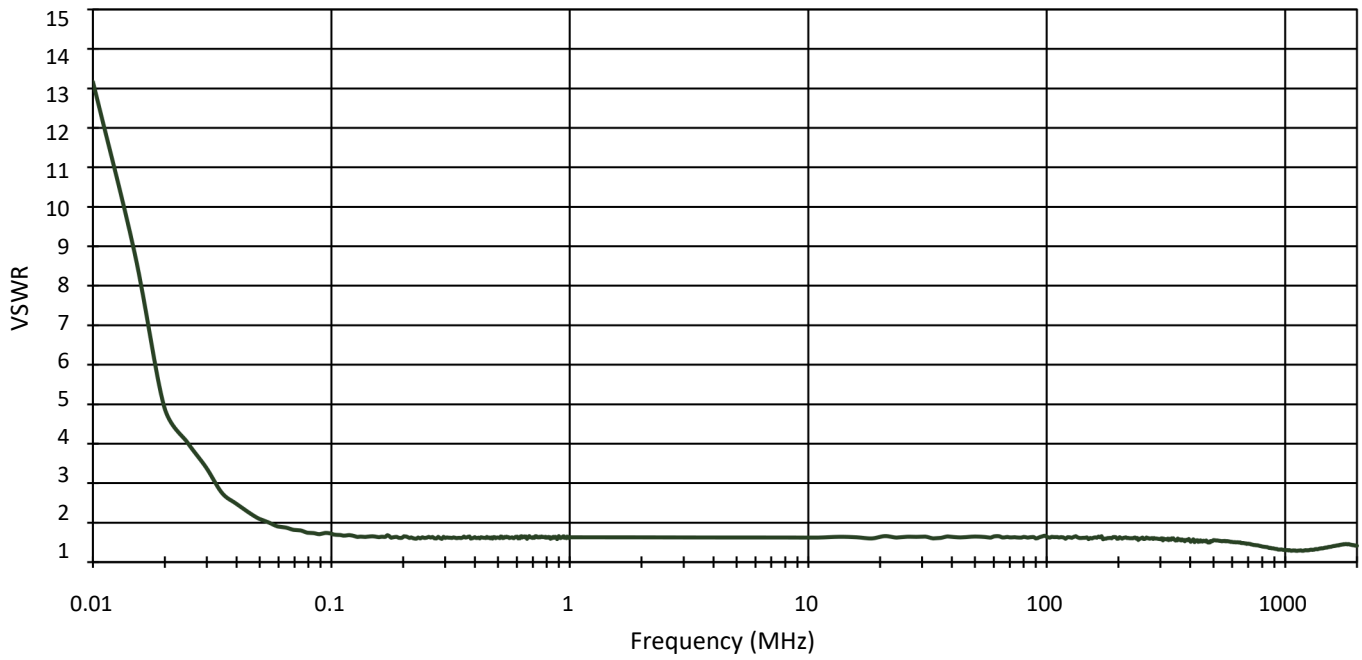
EM-6990B Preamplifier Low Frequency Typical Gain (dB)**EM-6990B Preamplifier High Frequency Typical Gain (dB)**

Data shown is typical, not guaranteed.

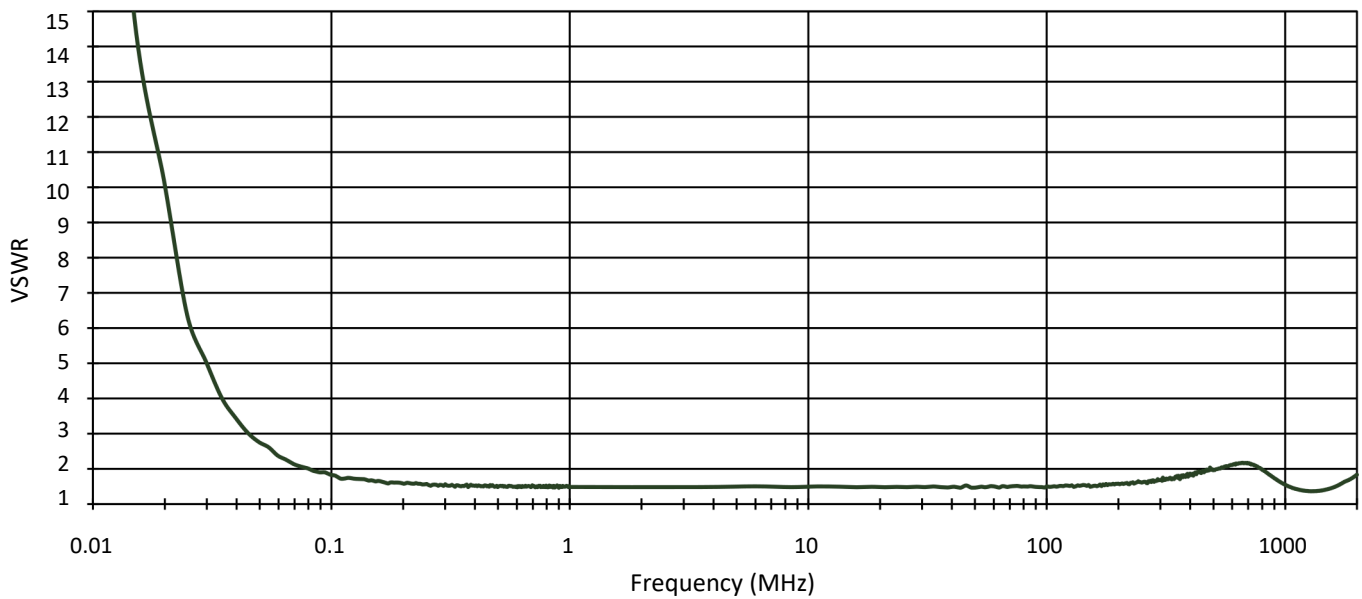
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EM-6990B Preamplifier Typical Input VSWR



EM-6990B Preamplifier Typical Output VSWR



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