



BROADBAND PRECISION NOISE SOURCES



NoiseWave's NW346 Broadband calibrated coaxial noise source is ideal for Noise Figure measurement applications. Available in 6, 15 and 23 dB ENRs (Excess Noise Ratios), the NW346 is ideal for a wide range of noise figure measurements and built-in test applications.

The NW346 features excellent VSWR, reducing measurement uncertainty, in addition to stringent temperature and voltage stability. The unit features an industry standard profile housing.

Each noise source comes with VSWR on and off data and a calibrated ENR report traceable to NIST. Flatness is better than +/- 1.0 dB over the frequency range. The NW346 is available with a variety of connectors. Standard operation is from +28 Vdc with 30 mA maximum current draw.

The NW346 is a precision noise standard that is economically priced with delivery typically from stock. Alternative voltages, output levels and frequencies are also available

Typical Specs:

VSWR to 5 GHz:	1.15:1 max
VSWR 5 - 18 GHz:	1.25:1 max
VSWR 18 - 26GHz:	1.35:1 max
VSWR 26 - 40 GHz:	1.50:1 max
Input Voltage via BNC(F):	+28 +/-2 Vdc
Noise Output Temperature Variation:	<0.009 dB/°C
Noise Output Variation:	<0.002 dB/%ΔV
Maximum Reverse Power:	1 Watt max
Operating Temperature:	0°C to +55°C
Storage Temperature:	-65°C +125°C
Calibration Points:	10 MHz, every GHz

MODEL	FREQUENCY (GHz)	OUTPUT ENR (dB)	I (mA)	OUTPUT CONNECTOR
NW346A	0.01 - 18	5 - 7	30 max	SMA (M)
NW346B	0.01 - 18	14 - 16	30 max	SMA (M)
NW346C	0.01 - 26	13 - 17	30 max	APC3.5 (M)
NW346D	0.01 - 18	19 - 25	30 max	SMA (M)
NW346E	0.10 - 26.5	19 - 25	30 max	APC3.5 (M)
NW346KA	0.10 - 40	10 - 17	30 max	K (M)
NW346V	0.10 - 60	7 - 21	30 max	V (M)

OPTIONS:

Precision: APC3.5 male output connector
 NM: N male output connector
 APC7: APC7 output connector
 NF: N female output connector
 KA: K male output connector

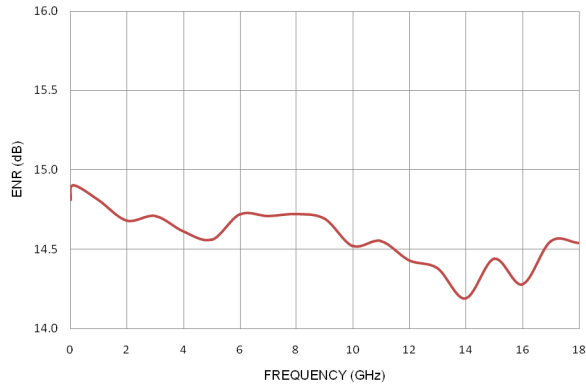
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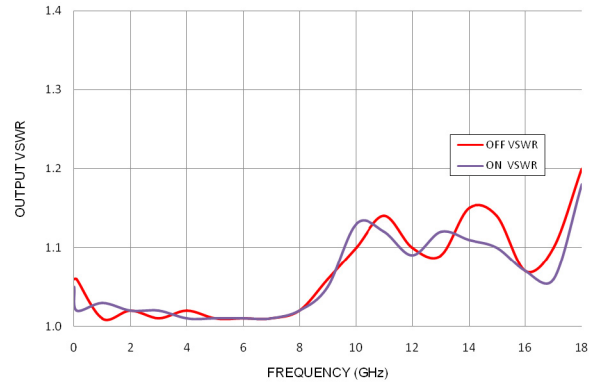


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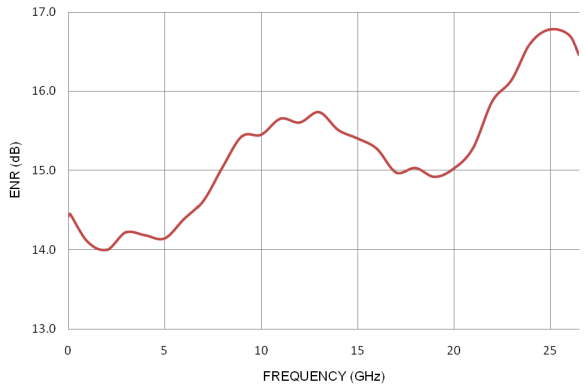
NW346B - Typical ENR



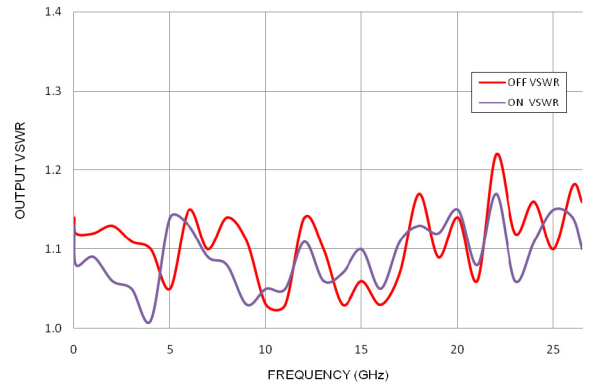
NW346B - Typical On and Off VSWR



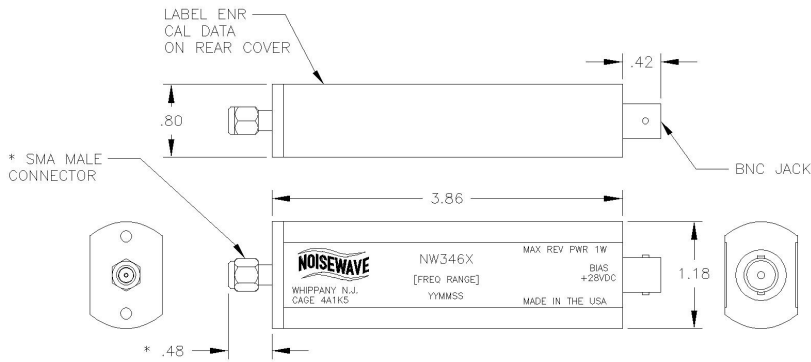
NW346C - Typical ENR



NW346C - Typical On and Off VSWR



STANDARD OUTLINE



* DIMENSION VARIES WITH CONNECTOR TYPE
(DIMENSIONS IN INCHES)



Each NW-346 noise source is supplied in a protective case.

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