

DESKTOP PREAMPLIFIERS

NEW IMPROVED NSP SERIES

FEATURES

- Broadband frequency 0.1–40 GHz
- Fixed gain or variable up to 15 dB
- Built-in CE approved power supply
- SMA input/output connectors

OPTIONS

- Dual output, input limiter, DC block and temperature compensation
- Various combinations of frequency, bandwidth, gain, noise figure, power and VSWR
- Other connector types available



MODEL NUMBER	FREQUENCY RANGE (GHz)	GAIN (dB, Min.)	GAIN FLATNESS (±dB, Max.)	* NOISE FIGURE (dB, Max.)	VSWR IN/OUT	* OUTPUT POWER @ 1 dB COMP. (dBm, Min.)
LOW-NOISE, VARIABLE GAIN AMPLIFIERS						
NSP1000-NVG	0.1–10	35	2	2.3	2:1	10
NSP1200-NVG	0.1–12	32	2	2.5	2:1	10
NSP1800-NVG	0.3–18	30	2.5	4	2.5:1	10
NSP2200-NVG	0.3–22	30	2.75	4.5	2.5:1	8
MEDIUM POWER, VARIABLE GAIN AMPLIFIERS						
NSP1000-PVG	0.1–10	35	2	5	2:1	20
NSP1200-PVG	0.1–12	32	2.5	5.5	2:1	20
NSP1800-PVG	0.3–18	30	2.75	6.5	2.5:1	20
NSP2000-PVG	0.3–20	30	3	7	2:1	20
LOW-NOISE, FIXED GAIN AMPLIFIERS						
NSP1000-NFG	0.1–10	28	2	2.3	2:1	10
NSP1200-NFG	0.1–12	28	2	2.5	2:1	10
NSP1800-NFG	0.3–18	20	2.5	3.5	2.5:1	10
NSP2650-NFG	0.3–26.5	22	2.75	4.5	2.5:1	8
NSP4000-NFG	0.3–40**	22	3	5	2.5:1	8
MEDIUM POWER, FIXED GAIN AMPLIFIERS						
NSP1000-PFG	0.1–10	25	2	5	2:1	20
NSP1200-PFG	0.1–12	25	2.25	5.5	2:1	20
NSP1800-PFG	0.3–18	18	2.75	8	2.5:1	20
NSP2000-PFG	0.3–20	18	3	8	2.5:1	20
NSP2200-PFG	0.3–22	18	3	8	2.5:1	20

* Specification applies above 500 MHz.

** Split into 2 separate bands (0.1–26.5 GHz and 26.5–40 GHz).

NOTES: Noise figure, VSWR, and output power are specified at maximum gain for variable gain amplifiers.
Power supply 110/220 V selectable, 40–60 Hz.
See page 64 for outline.



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