

100MHz to 10GHz high power RF noise instrument (benchtop/1U 19" rack)

Description

HPNS010 is a high power Gaussian white noise source which operates over a frequency range from 0.1GHz to 10GHz and provides high noise power of ENR up to 60dB. Spectrum Magnetics LLC provides ENR calibration in 1GHz increments with low VSWR. The benchtop /1U rack of HPNS010 is can operates under AC with optional +28V BNC female connector.

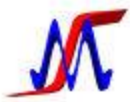
Feature

- 0.1GHz~10GHz frequency range
- Output ENR >50dB at 1GHz
- Flatness:<3dB at whole range
- 3.5mm male connector
- DC/AC voltage
- Modulation

Application

- Noise figure measurements
- Signal to noise ratio (SNR)measurement
- Bit error rate (BER) test
- EM environment simulation
- Measurement equipment
- Jamming

Description	Min	typ	Max	Opt*	Unit
Frequency range at -3dB	0.1		10		GHz
Output ENR at 1GHz	48	50	52	>60	dB
Adjusted ENR range				40	dB
Ripple in 1GHz interval			0.3		dB
Flatness of ENR			3		dB
Short time Output stability for 15min		0.5		<0.1	dB
Long time Output stability for 8hour		1.5		*	dB
Rise/Fall time for square modulation				5	ns
Impedance		50			ohm
Calibration frequency interval				1	GHz
RF Connector		3.5mm/SMA			
VSWR			1.9:1	<1.2:1	
Input Voltage (AC)		110/220		BNC 28	V
Operating temperature	0		60		C
Power consumption		10			W
Dimension	1.96 ×9.05×7.48 (H×W×D)			1U rack	Inch ³
*Please ask for specification with the option					



Order information

Order code		0	1	2	3	4	5	6	7												
H	P	N	S	0	1	0	-	-	-	1	9	-	1	-	1	-	1	-	1	-	1

0	high frequency at 3dB	>10GHz
	Code	010

		Standard	Optional
1	ENR (dB)	50	other*
	code	50	00
2	VEWR	1.9:1	Customized**
	code	19	00
3	connector	3.5/SMA male	
	Code	1	
4	Adjustable ENR	Fixed	Variable
	Code	1	2
5	Power supply	AC 110/220V	DC 28V
	code	1	2
6	Modulation	No	Yes***
	code	1	2
7	Package	Benchtop	1U rack
	Code	1	2

* from 20 dB to 60dB
 ** low to 1.2:1, ENR can't be guaranteed 50 dB
 *** ENR is peak value. Customer has to define the modulating frequency

