



**Applications:**

- Noise Figure Measurement
- Radar System
- Instrumentations

**Features:**

- State-of-the-art Solid State Technologies
- Various Bandwidth Coverage
- High Exceed Noise Radio
- Coax or Waveguide RF connectors



**Descriptions:**

3J Microwave, Inc. offers a complete line of noise sources in frequency range of 18 to 110 GHz. The available state-of-the-art solid-state technologies, devices and advanced packaging techniques are utilized in the noise sources to meet various requirements. Coax RF connectors are available in the frequency range below 67 GHz. Waveguide connectors are also designed to cover eight

waveguide bands from K to W-Band in the frequency range of 18 to 110 GHz. The series noise sources are designed for the various applications such as noise figure measurement, instrumentations and radar systems etc. The noise sources are sorted in two categories: 1) **NS** series noises. 2) **ANS** Series amplified noise sources.

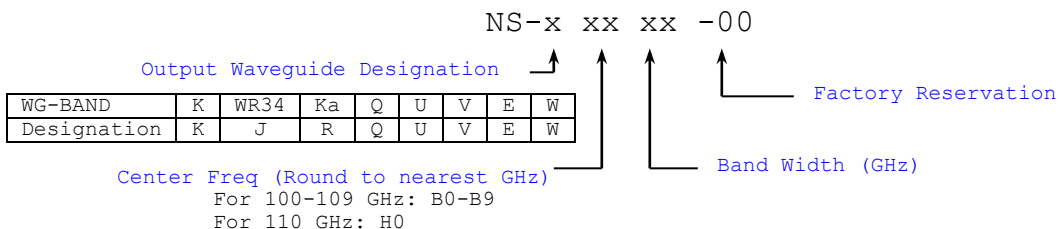
**NS Series Noise Source Specifications:**

Model Number**	Freq (GHz)	RF Bandwidth (GHz)	ENR (dB)	DC Bias*(V/mA)	RF Output W/G	Outline
NS-xxxxx-00	18-27	2-9	18	28V/20mA	UG595-U	Page 3-18
	22-33	2-11			UG595-UM	
	26.5-40	3-13.5			UG599-U	
	33-50	3-17			UG383-U	
	40-60	4-20			UG383-UM	
	50-75	5-25	15		UG385-U	
	60-90	5-30			UG387-U	
	75-11	5-35			UG387-UM	

\* The Bias voltage may be different upon request

\*\* Please see "how to order" for the model number details

**How to Order:**





# Section 3-6: Noise Source Series

[www.3jmicrowave.com](http://www.3jmicrowave.com)

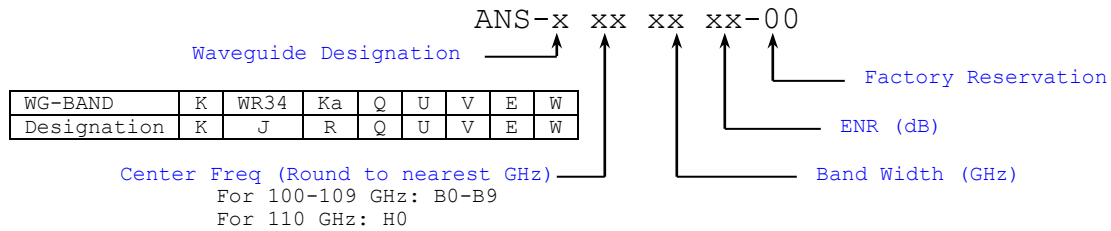
Frequency Coverage: 18 to 110 GHz

## ANS Series Amplified Noise Source Specifications:

Model Number**	Freq GHz)	RF Bandwidth (GHz)	ENR*** (dB)	DC Bias*(V/mA)	RF Output W/G	Outline
ANS-xxxxxxx-00	18-27	2-9	20 to 35	28V/20mA and +12V/150 mA	UG595-U	N01
	22-33	2-11			UG595-UM	N02
	26.5-40	3-13.5			UG599-U	N03
	33-50	3-17			UG383-U	N04
	40-60	4-20			UG383-UM	
	50-75	5-25			UG385-U	
	60-90	5-30			UG387-U	
	75-110	5-35			UG387-UM	

- \* The noise source bias voltage may be different upon request
- \*\* Please see "how to order" for the model number details
- \*\*\* ENR can be chosen in the specified range. Higher ENR is available upon request

### How to Order:



Outline: N01, N02, N03 and N04