



Section 8-1: Noise Figure Analyzer Frequency Extenders  
[www.3jmicrowave.com](http://www.3jmicrowave.com) Frequency Coverage: 18 to 110 GHz

**Applications:**

- Instrumentations
- Noise Figure Analyzer

**Features:**

- 30 dB Dynamic Range
- Compatible to Major NF Analyzers
- In 8 Waveguide Bands



**Descriptions:**

3J Microwave, Inc. offers a complete line of noise figure analyzer frequency extenders in 8 waveguide bands. The series NF analyzer frequency extenders feature low internal noise figure and 30 dB dynamic noise figure range. The noise figure analyzer frequency extenders are excellent choices to extend the frequency

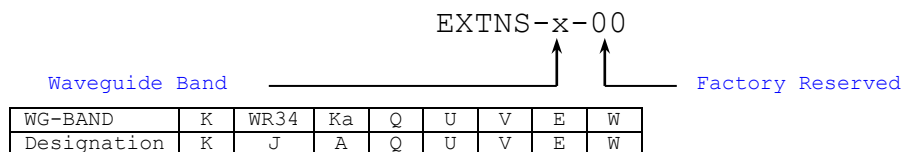
range of the noise figure measurement systems or noise figure analyzers to the millimeter wave bands from K to W-band in the frequency range of 18 to 110 GHz. The noise figure analyzer extenders are sorted in category of **EXTNS** series noise figure analyzer extenders.

**EXTNS Noise Figure Analyzer Frequency Extender Specifications\*:**

Model Number**	EXTNS-x-00							
WG Band	WR-42	WR-34	WR-28	WR-22	WR-19	WR15	WR-12	WR-10
Extended RF Frequency Range (GHz)	18 to 26.5	22 to 33	26.5 to 40	33 to 50	40 to 60	50 to 75	60 to 90	75 to 110
RF Bandwidth (GHz)	Full Waveguide Band							
LO Input Frequency Range (GHz)	9 to 13.25	11 to 16.5	13.25 to 20	11 to 16.7	13.3 to 20	12.5 to 18.75	10 to 15	12.5 to 18.33
LO Input Power (dBm)	0 dBm ± 3.0 dB							
Internal NF (dB)	-5	-5.5	-6.0	-6.5	-6.5	-7.0	-7.0	-7.0
NF Test Dynamic Range (dB)	0 to -30							
DC Power Supply (V/mA)	+12/							
WG Flange	UG595/U	UG595/UM	UG599/U	UG383/U	UG383/UM	UG385/U	UG387/U	UD387/UM
Outline								

\* Please consult the factory for more technical details  
 \*\* Please see "how to order" for the model number details

**How to Order:**





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**Model No. Example:**

Model Number of a W-Band Noise Analyzer Frequency Extender:  
**EXTNS-W-00**

**Outlines:**

Please consult the factory for the outline details.