



Section 8-3: Vector Network Analyzer Frequency Extenders
www.3jmicrowave.com Frequency Coverage: 18 to 110 GHz

Applications:

- Instrumentations
- Vector Network Analyzers
- Antenna chamber
- Bench Testing

Features:

- Low Harmonics
- Low Spurious
- In 8 Waveguide Bands



Descriptions:

3J Microwave, Inc. offers a complete line of vector network analyzer frequency extenders in 8 waveguide bands. The series vector network analyzer frequency extenders feature low harmonics and low spurious. The frequency extenders are designed to be compatible with the major brand vector network analyzers. The frequency extenders are excellent choices to expand the capability of the vector network

measurement from frequency range of below 20 GHz to the 8 millimeter-wave bands from K to W-band in the frequency range of 18 to 110 GHz. The vector network analyzer frequency extenders can be also used in the applications of bench testing, antenna chamber testing and instrumentations. The vector network analyzer extenders are sorted in category of **EXTVNA** series vector network analyzer extenders.

EXTVNA Vector Network Analyzer Frequency Extender Specifications*

Model Number**	EXTVNA-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							
Input Frequency Range From VNA (GHz)	3 to 11.5	3 to 14.5	3 to 16.5	3 to 20	4 to 24	1.5 to 26.5	5 to 35	5 to 40
Input 1 dB Compression Point (dBm)	+5.0						0.0	
Conversion Loss (dB)	-8.0	-8.5	-9.0	-9.0	-9.5	-9.5	-10.0	-11.0
External Reference	10 MHz/0 dBm ± 3 dB							
Amplitude Dynamic Range (dB)	> 85							
In-band Harmonics (dB)	-27							
In-Band Spurious (dB)	-70							
DC Power Supply (V/mA)	+12/							
Extended Port WG Flange	UG595/U	UG595/U	UG599/U	UG383/U	UG383/U	UG385/U	UG385/U	UD387/UM
Input Port From VNA	SMA				2.92 mm			
Outline								

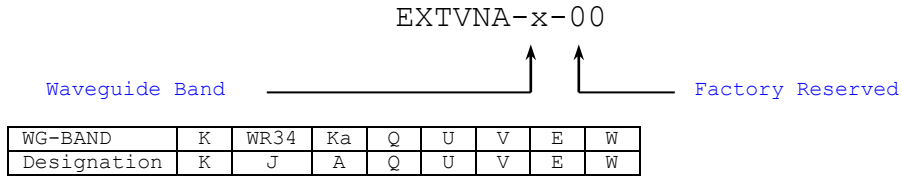
* Please consult the factory for more technical details

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



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How to Order:



Model No. Example:

Model Number of W-Band Vector Network Analyzer Frequency Extender:
EXDVNA-W-00

Outlines:

Please consult the factory for the outline details