



Specifications

Frequency Range (GHz)		50-75	60-90	75-110
Output Waveguide Size		WR-15	WR-12	WR-10
Excess Noise Ratio (ENR) (dB typ)	Instrumentation Sources (Fullband Version) ¹	15	15	12
	Amplified Noise Power Sources (Broadband Version) ²	20-30	20-30	20-30
	High Power Sources (Narrowband Version) ³	20	17	15
Output Power Flatness (dB typ)	Instrumentation Sources (Fullband Version) ¹	±2	±3	±3
	Amplified Noise Power Sources (Broadband Version) ²	±2.5	±2.5	±2.5
	High Power Sources (Narrowband Version) ³	±1	±1	±1
Stability of Noise Power Output for	Temperature Stability, dB/°C typ.	0.015	0.015	0.015
All Models (typ)	Stability With Bias Voltage, dB/1% Bias Voltage Change ⁴	0.15	0.15	0.15

1. Fullband coverage. Other waveguide bands are available.

2. 2 GHz bandwidth anywhere in waveguide band.

3. Operating voltage 28 VDC (optional 15 VDC).

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Mechanical Specifications

FREQUENCY BAND	WAVEGUIDE SIZE	FLANGE PATTERN	OUTLINE DIMENSIONS, inches/mm		
			A	B	C
V	WR-15	UG385/U	0.76/19.3	1.50/38.1	1.50/38.1
E	WR-12	UG387/U	0.76/19.3	1.50/38.1	1.50/38.1
W	WR-10	UG387/U-M	0.76/19.3	1.50/38.1	1.50/38.1

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