farran

WR-22 Noise Source Enclosure Module 36.5-50 GHz: **WGNS-22-0003**

Farran offers the WGNS series of noise sources to be used in conjunction with the FBC down converters for use as frequency extenders for noise figure measurement test systems.

The WGNS-XX is a fullband noise source. The WGNS-22 covers the full W band 36.5 – 50 GHz.

Key Facts:

- Full waveguide band
- High ENR
- Uniform level of noise power spectral density
- Compatible with Keysight NFA and Keysight PXA with noise figure personality
- Convenient packing to match the VNA frequency extension

Product Specification

System Specification	Unit	Min	Typ	Max
System Operating Frequency	GHz	36.5	-	50
ENR	dB	-	13.5	-
Pause between triggering pulses	ms	0.5	-	-
Trigger Requirements	V	-	+28	-
VSWR	-	-	-	1.4:1
Waveguide & Flange	-	WR-22 UG-383/U-M		
Connectors / Power Supply Triggering Connector	-	BNC (F)		
Power Requirements	-	240/110 V AC		
Weight (approx.)	kg	3.5		
Dimensions (L x W x H)	mm	200 x 120 x 90		

APPLICATIONS

- Communications
- OEM test instrumentation
- EW and ECM systems
- Radar front ends
- Frequency extenders for noise figure measurement systems

ACCESSORIES

- User Manual

WARRANTY

- Standard 3 year warranty.
- Up to 5 year warranty optional.

"We used a Farran FBC & WGNS combination with our existing N8975 Noise Figure System and it operated seamlessly. We are very happy with the performance and the measurements results we are now getting."

Telecommunications Engineer Team Lead, US Wireless Communications Corporation