

Datasheet
Description

Farran Technology 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 system. The WGNS-XX is a fullband noise source. The WGNS-10 covers the full W band 75 – 110 GHz.


Features

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

Applications

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

| Specification | Unit | Min | Typ | Max |
|---------------------------------|------|------------------|------|-------|
| System Operating Frequency | GHz | 75 | | 110 |
| ENR | dB | | 11.5 | |
| Trigger Voltage | V | | +28 | |
| Pause between triggering pulses | ms | 0.5 | | |
| VSWR | | | | 1.4:1 |
| Test Port Interface | - | WR-10 UG-387/U-M | | |
| Trigger connector | - | BNC (F) | | |
| Power Requirements | - | 240/110 V AC | | |
| Weight | kg | | 3.5 | |
| Dimensions (L x W x H) | - | 200 x 120 x 90 | | |

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