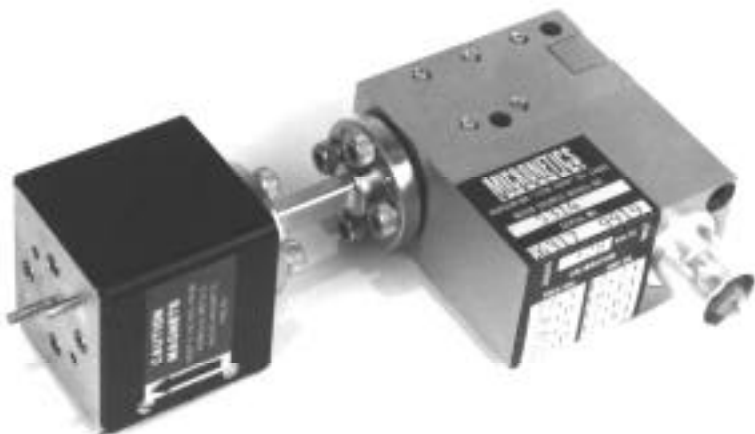
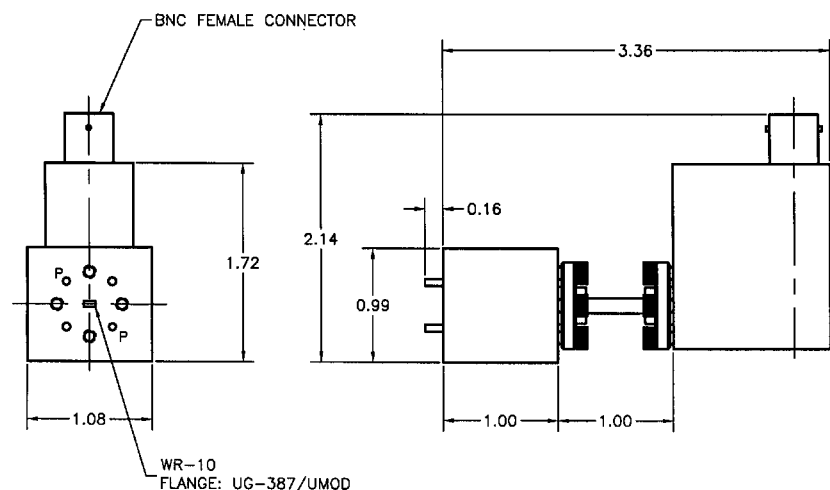


77 GHz NOISE SOURCE FOR COLLISION AVOIDANCE RADAR



OUTLINE DRAWING



DESCRIPTION

Micronetics new 5314 noise source is specifically tuned to the 77 GHz band for use in built-in test equipment (BITE) in collision avoidance radar systems. The main advantage of the 5314 is that it is calibrated with the isolator in place, which means you do not have to specify a correction factor for the isolator insertion loss. That translates to easier, more accurate results in noise temperature testing.

SPECIFICATIONS

- Frequency Range: 75.5 GHz to 77.5 GHz
- Output Amplitude: 18 dB ENR
- Flatness ± 1.0 dB
- VSWR: 1.3:1 (max)
- Waveguide Size: WR-10
- Output Flange: UG-387/U
- Calibration Data: ENR@75.5, 76.0, 76.5, 77.0, 77.5 GHz
- Supply Voltage: +28 VDC
- Input Current: 40mA (typ)
- Voltage Supply Sensitivity: 0.3 dB/%VDC(max)
- Operating Temperature: -55 °C to +95 °C
- Temperature Stability: 0.015 dB/°C

MICRONETICS