

WR-03 Straight Waveguide Section, 1", Precision Machined

Description:

Model SWG-03010-F1 is a 1" long, WR-03 straight waveguide section with UG-387/U-M Anti-Cocking flanges. The waveguide straight covers the frequency range of 220 to 330 GHz. The waveguide straight is manufactured with precision machining as a split-block body, which results in a robust, reinforced mechanical structure that will not flex or bend compared to traditional waveguide sections made with thin-wall tubing and brazed joints. Other lengths are available under different model numbers.



Features:

- Frequency Range: 220 to 330 GHz
- Sturdy Split-Block Mechanical Structure

Applications:

- Test Instrumentation
- Sub-assemblies

Electrical Specifications:

| Parameter | Minimum | Typical | Maximum |
|---------------------------|---------|---------|---------|
| Frequency | 220 GHz | | 330 GHz |
| Insertion Loss | | 1.8 dB | |
| Return Loss | | 18 dB | |
| Specification Temperature | | +25 °C | |
| Operating Temperature | -40 °C | | +85 °C |

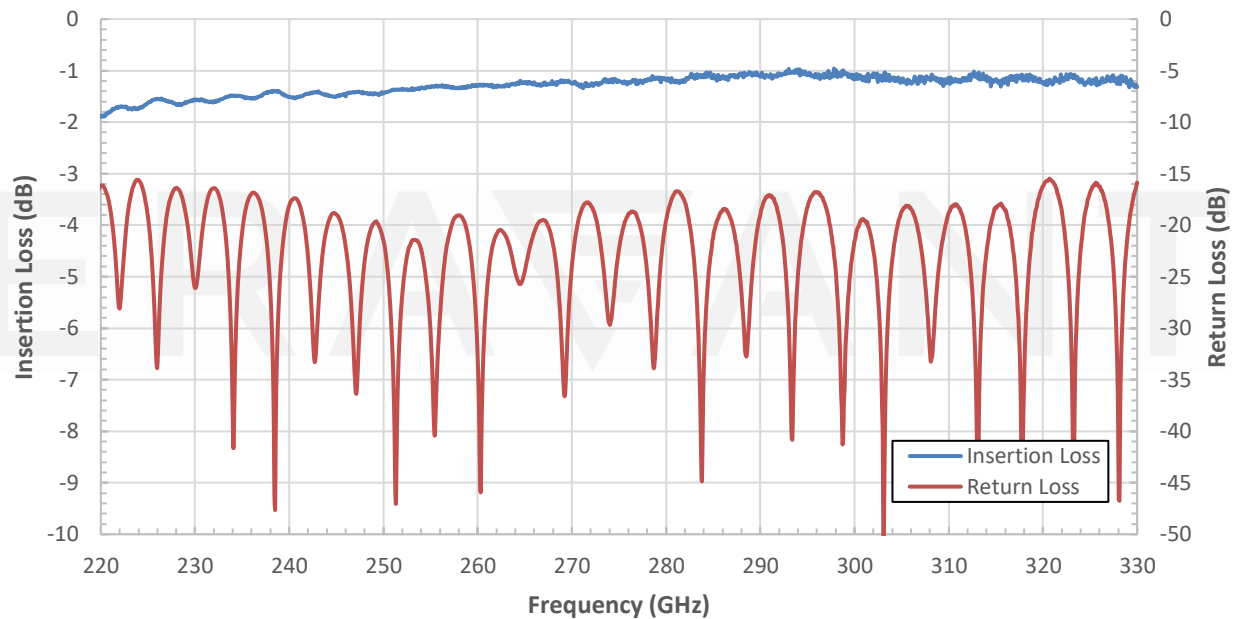
Mechanical Specifications:

| Item | Specification |
|----------------------|---|
| Waveguide Size | WR-03 Waveguide with UG-387/U-M Anti-Cocking Flange |
| Insertion Length (L) | 1.0" |
| Material | Brass |
| Finish | Gold Plated |
| Weight | 1.0 oz. |
| Outline | WG-F03-A-SB-L |

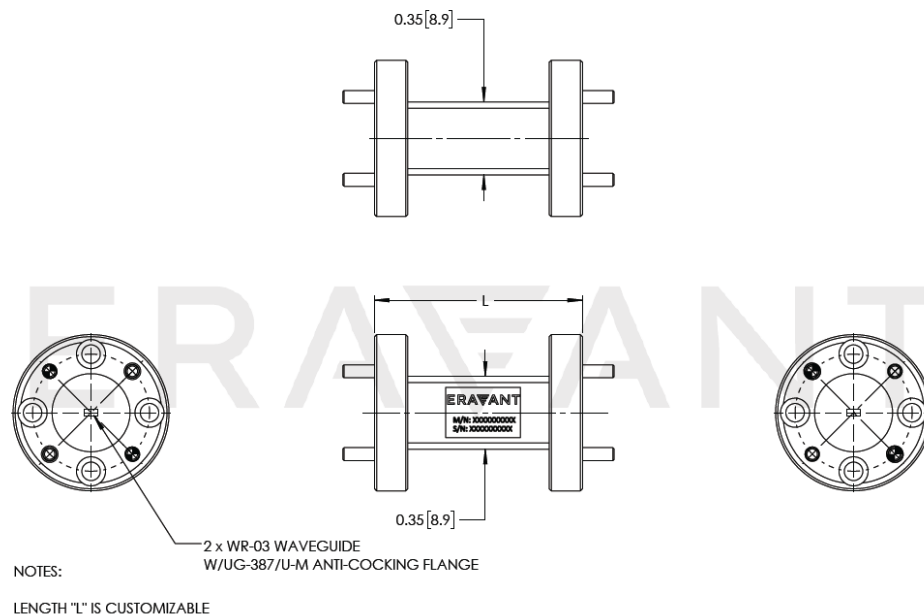


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Typical Measured Performance vs Frequency



Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



Note:

- All data are presented using a limited sample lot. Actual data may vary unit to unit.
- All testing was performed under 25°C case temperature.
- Eravant reserves the right to change the information presented without notice.



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