

SWG-08020-FB

WR-08 Straight Waveguide Section, 2"

**SWG-08020-FB** is a 2" long, F-band straight waveguide section with a WR-08 waveguide and UG-387/U-M anti-cocking flanges. The straight waveguide is manufactured with a precision machining process to ensure high quality and ruggedness. The waveguide is offered to cover the frequency range of 90 to 140 GHz.



Mechanical Specifications:

| Item               | Specification                                       |
|--------------------|---|
| Waveguide Size     | WR-08 Waveguide with UG-387/U-M Anti-Cocking Flange |
| Insertion Length   | 2.0"  |
| Flange Material    | Brass   |
| Waveguide Material | Copper  |
| Finish             | Gold Plated   |
| Weight             | 0.7 Oz  |
| Outline            | WG-FF-A-L   |

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- FEATURES
- Frequency Range: 90 to 140 GHz
  - Rugged Waveguide Configuration
  - Low Insertion Loss

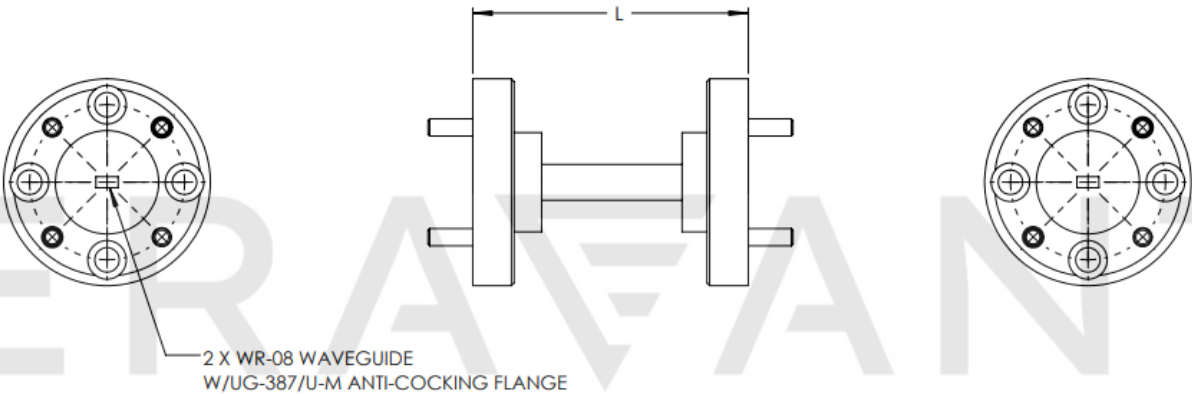
- APPLICATIONS
- Test Instrumentation
  - Sub-assemblies

SUPPLEMENTAL DETAILS



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



**NOTE:**  
LENGTH L IS CUSTOMIZABLE

**NOTE:** MAKING MILLIMETERWAVE ACCESSIBLE

- Eravant reserves the right to change the information presented without notice.

**CAUTION:**

- If a waveguide is present, any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.
- For 1 mm connectors proper torque should be applied:  $4.0 \pm 0.15$  inch-pounds ( $0.45 \pm 0.02$  Nm). Torque wrench model SCH-06004-S1 is highly recommended.
- For 1.35 mm, 1.85 mm, 2.4 mm, 2.92 mm, and SMA connectors proper torque should be applied:  $8.0 \pm 0.15$  inch-pounds ( $0.90 \pm 0.02$  Nm). Torque wrench model SCH-08008-S1 is highly recommended.

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