

SWG-28030-FB

WR-28 Straight Waveguide Section, 3"

**SWG-28030-FB** is a 3" long, Ka-band straight waveguide section with a WR-28 waveguide and UG-599/U square flanges. The straight waveguide is manufactured with precision a machining process to ensure high quality and ruggedness. The waveguide is offered to cover the frequency range of 26.5 to 40 GHz.



Mechanical Specifications:

| Item               | Specification                        |
|--------------------|--------------------------------------|
| Waveguide Size     | WR-28 Waveguide with UG-599/U Flange |
| Insertion Length   | 3"                                   |
| Flange Material    | Brass                                |
| Waveguide Material | Copper                               |
| Finish             | Gold Plated                          |
| Weight             | 1.3 Oz                               |
| Outline            | WG-FA-L                              |

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FEATURES

- Frequency Range: 26.5 to 40 GHz
- Rugged Waveguide Configuration
- Low Insertion Loss

APPLICATIONS

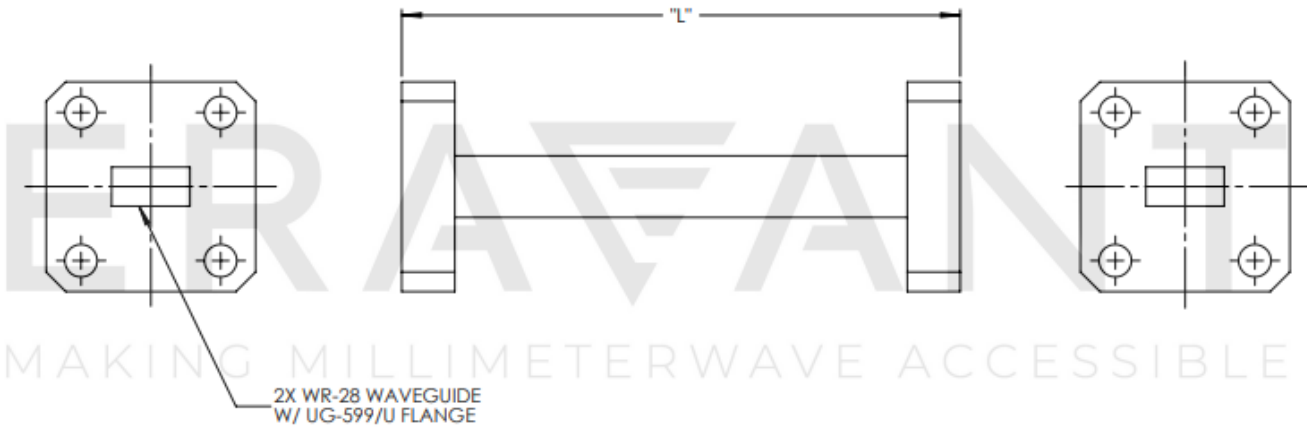
- Test Instrumentation
- Sub-assemblies

SUPPLEMENTAL DETAILS



SWG-28030-FB

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



**NOTE:**

- 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.