

## SWG-28025-FB

### WR-28 Straight Waveguide Section, 2.5"

**SWG-28025-FB** is a 2.5" 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	2.5"
Flange Material	Brass
Waveguide Material	Copper
Finish	Gold Plated
Weight	1.1 Oz
Outline	WG-FA-L

#### ECCN

EAR99

#### FEATURES

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

#### APPLICATIONS

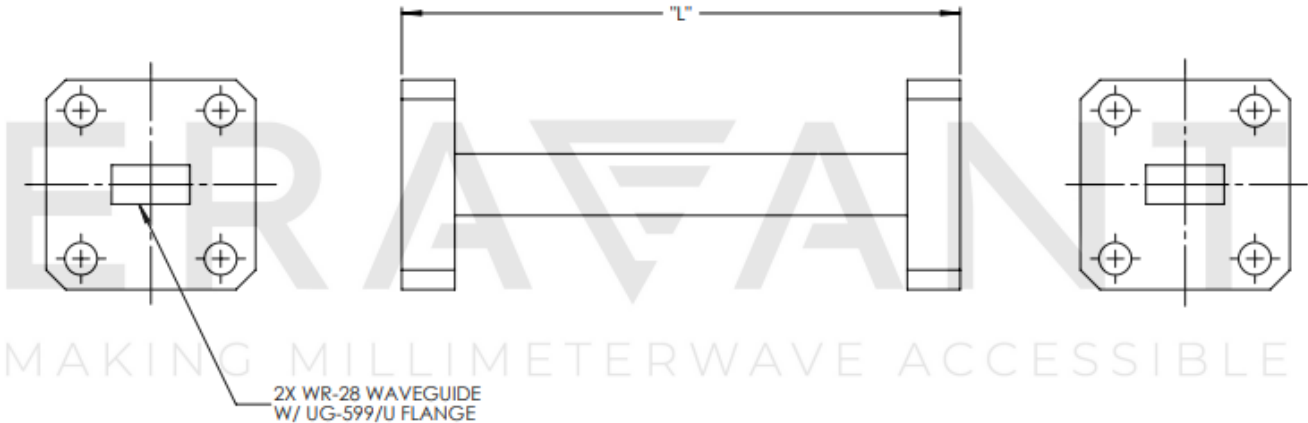
- Test Instrumentation
- Sub-assemblies

#### SUPPLEMENTAL DETAILS



## SWG-28025-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.