

## SWG-42010-FB

### WR-42 Straight Waveguide Section, 1"

**SWG-42010-FB** is a 1" long, K-band straight waveguide section with a WR-42 waveguide and UG-595/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 18 to 26.5 GHz.



#### Mechanical Specifications:

| Item               | Specification                        |
|--------------------|--------------------------------------|
| Waveguide Size     | WR-42 Waveguide with UG-595/U Flange |
| Insertion Length   | 1"                                   |
| Flange Material    | Brass                                |
| Waveguide Material | Copper                               |
| Finish             | Gold Plated                          |
| Weight             | 1.1 Oz                               |
| Outline            | WG-FK-L                              |

#### ECCN

EAR99

#### FEATURES

- Frequency Range: 18 to 26.5 GHz
- Rugged Waveguide Configuration
- Low Insertion Loss

#### APPLICATIONS

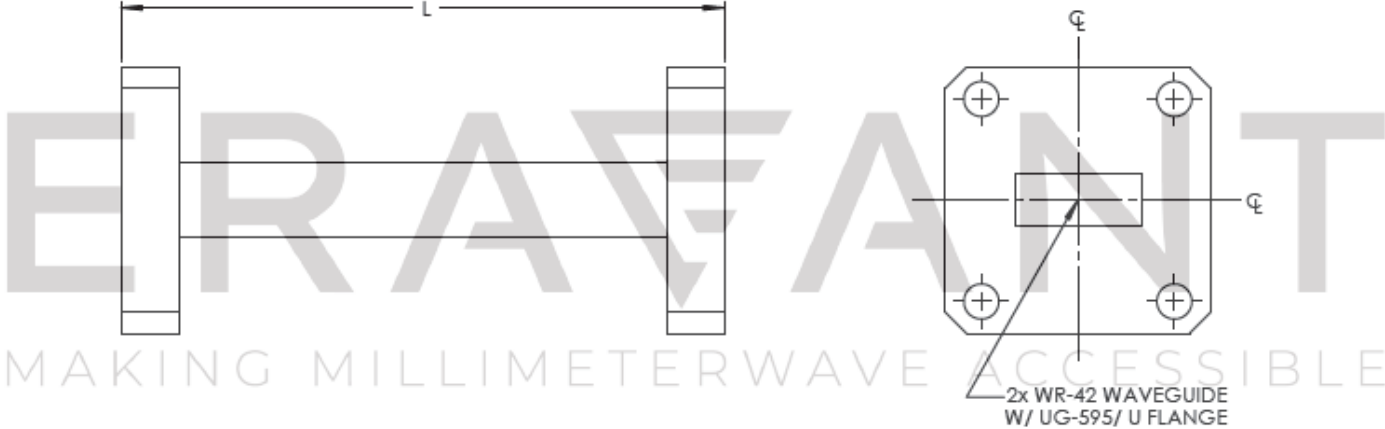
- Test Instrumentations
- Sub-assemblies

#### SUPPLEMENTAL DETAILS



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**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.