

SWG-42023-FB-2.25

WR-42 Straight Waveguide Section, 2.25"

SWG-42023-FB-2.25 is a 2.25" 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	2.25"
Flange Material	Brass
Waveguide Material	Copper
Finish	Gold Plated
Weight	1.2 Oz
Outline	WG-FK-L

ECCN

EAR99

FEATURES

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

APPLICATIONS

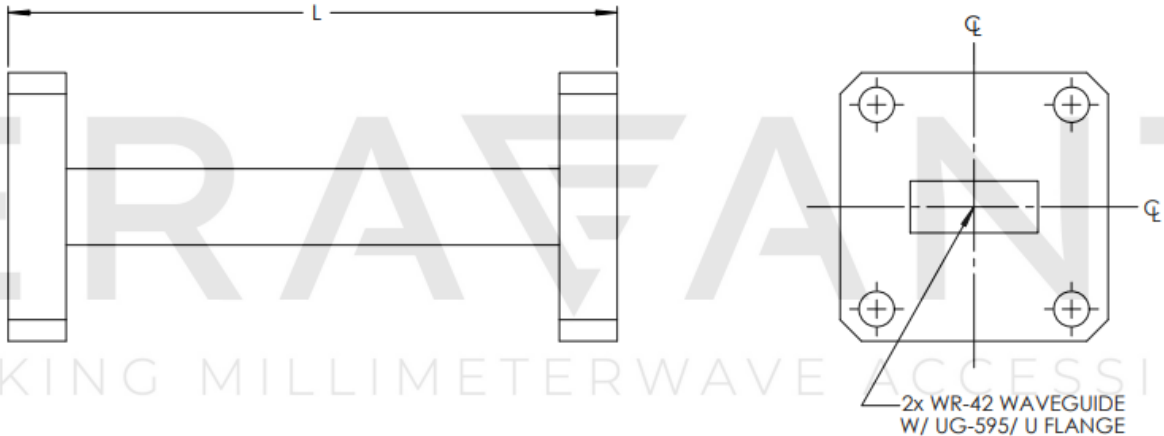
- Test Instrumentation
- Sub-assemblies

SUPPLEMENTAL DETAILS



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



NOTE:

- On condition that test data is provided it is collected from a sample lot. Actual data may vary slightly from unit to unit. All testing is performed under +25 °C room temperature.
- On condition that simulated test data is provided, actual measured data may slightly vary.
- 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 ± 0.15 inch-pounds (0.45 ± 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 ± 0.15 inch-pounds (0.90 ± 0.02 Nm). Torque wrench model SCH-08008-S1 is highly recommended.