

SWG-125020-FB

0.125" Diameter Circular Waveguide Section, 2"

SWG-125020-FB is a 2" long, E-band straight waveguide section with 0.125" diameter circular waveguide with UG387/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 68 to 77 GHz and extended frequency range of 60 to 90 GHz if the dominate TE₁₁ mode is maintained.



Mechanical Specifications:

Item	Specification
Waveguide Size	0.125" Diameter Circular Waveguide with UG-387/U-M Anti-Cocking Flange
Insertion Length	2.0"
Flange Material	Brass
Waveguide Material	Brass
Finish	Gold Plated
Weight	1.3 Oz
Outline	WG-FE-125-A-L

ECCN

EAR99

FEATURES

- Frequency Range: 68 to 77 GHz
- Rugged Waveguide Configuration
- Low Insertion Loss

APPLICATIONS

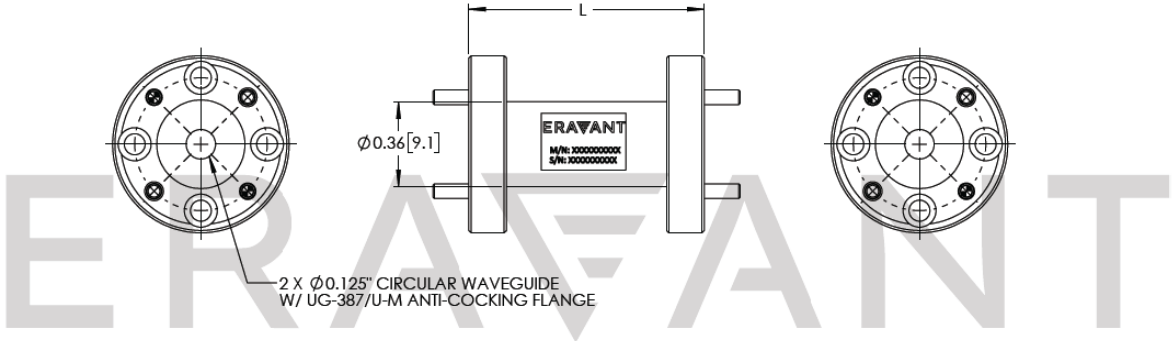
- Test Instrumentations
- Sub-assemblies

SUPPLEMENTAL DETAILS



SWG-125020-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 ± 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.