

SWG-10020-FB-WP

WR-10 Straight Waveguide Section, 2"

**SWG-10020-FB-WP** is a 2" long, W-band straight waveguide section with a WR-10 waveguide and UG-387/U-M circular 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 75 to 110 GHz.



Mechanical Specifications:

Item	Specification
Waveguide Size	WR-10 Waveguide with UG-387/U-M Flange
Insertion Length	2.0"
Flange Material	Brass
Waveguide Material	Copper
Finish	Gold Plated
Weight	0.7 Oz
Outline	WG-FW-L

**ECCN**  
EAR99

- FEATURES**
- Frequency Range: 75 to 110 GHz
  - Rugged Waveguide Configuration
  - Low Insertion Loss

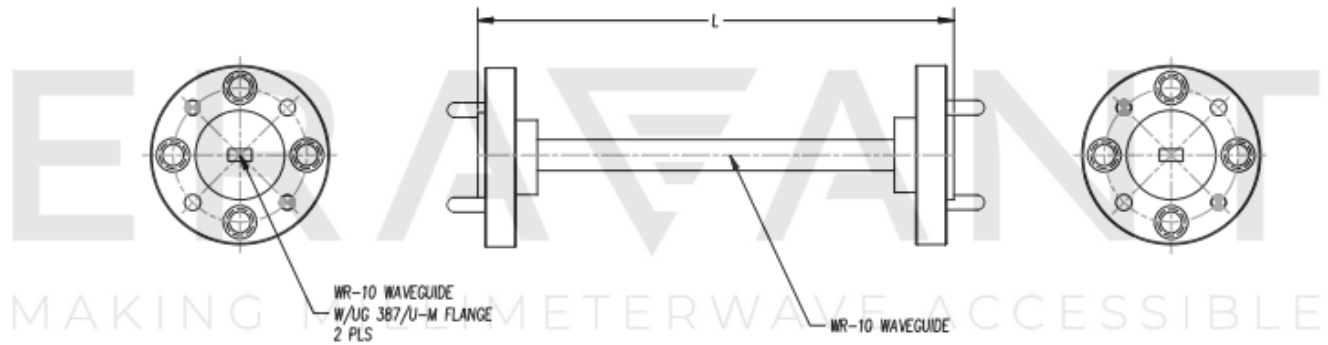
- APPLICATIONS**
- Test Instrumentation
  - Sub-assemblies

**SUPPLEMENTAL DETAILS**



## SWG-10020-FB-WP

**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.