

SWG-165010-FB

0.165" Diameter Circular Waveguide Section, 1"

SWG-165010-FB is a 1" long, V-band straight waveguide section with 0.165" diameter circular waveguide with UG387/U-M flange. 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 50 to 58 GHz and extended frequency range of 50 to 75 GHz if the dominate model TE₁₁ is maintained.



Mechanical Specifications:

Item	Specification
Waveguide Size	0.165" Diameter Circular Waveguide with UG-385/U-M Flange
Flange Material	Brass
Waveguide Material	Copper
Finish	Gold Plated
Weight	0.8 Oz
Insertion Length	1.0"
Outline	WG-FV-165-L

ECCN

EAR99

FEATURES

- Frequency Coverage: 50 to 58 GHz
- Rugged Waveguide Configuration
- Low Insertion Loss

APPLICATIONS

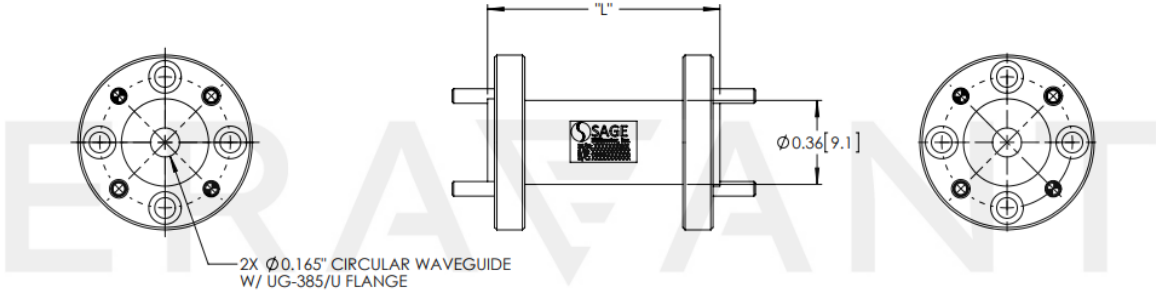
- Test Instrumentation
- Sub-assemblies

SUPPLEMENTAL DETAILS



SWG-165010-FB

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



NOTES:

1. "L" IS A CUSTOMIZABLE LENGTH

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.