

## SWG-396010-FB

### 0.396" Diameter Circular Waveguide Straight Section, 1.0" Long

**Model SWG-396010-FB** is a 1.0" long, 0.396" Diameter Circular Waveguide straight section with UG-595/U-M flanges. The waveguide straight section is manufactured with a precision machining process to ensure high quality and ruggedness. The waveguide straight section is offered to cover the frequency range of 20 to 24.5 GHz.



### Mechanical Specifications:

Item	Specification
Waveguide Size	0.396" Diameter Circular Waveguide with UG-595/U-M Flanges
Insertion Length	1.0"
Material	Brass
Finish	Gold Plated
Weight	0.8 Oz
Outline	WG-FK-396-L

#### ECCN

EAR99

#### FEATURES

- Frequency Range: 20 to 24.5 GHz
- Rugged Waveguide Configuration
- Low Insertion Loss

#### APPLICATIONS

- Test Instrumentation
- Sub-assemblies

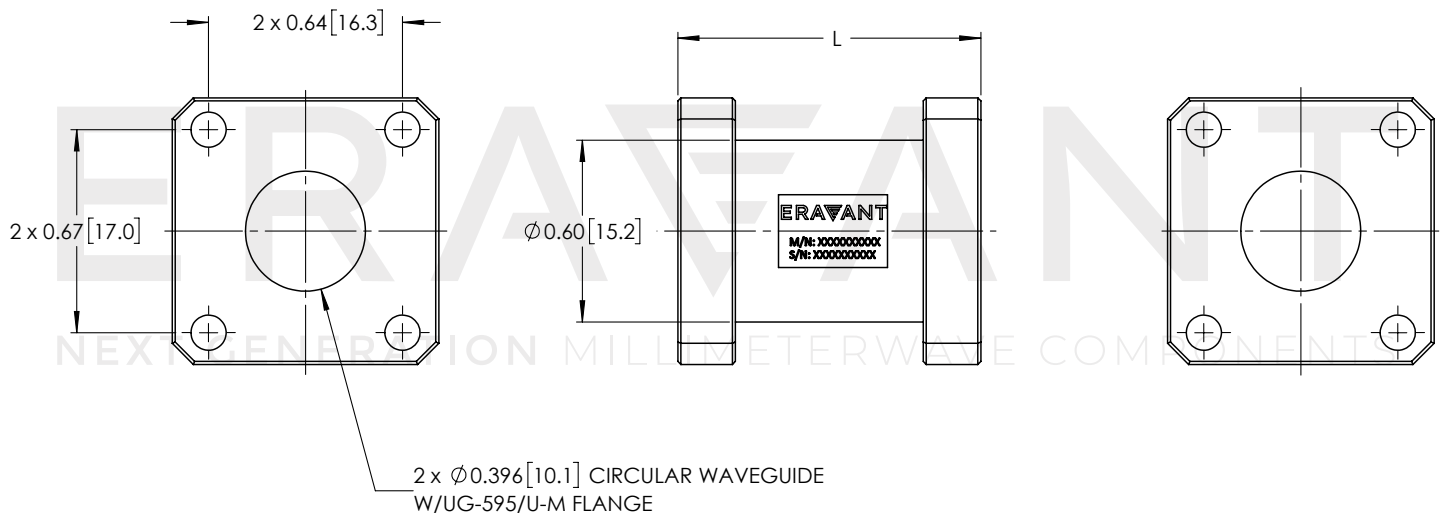
#### SUPPLEMENTAL DETAILS



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### Mechanical Outline:

Unless otherwise specified, all dimensions are in inches [millimeters]



NOTE:

LENGTH "L" IS CUSTOMIZABLE

### 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:  $4.0 \pm 0.15$  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.