

## SWG-082010-FB

**0.082" Diameter Circular Waveguide Straight Section,  
1.0" Long**

**SWG-082010-FB** is a 1.0" long, 0.082" Diameter Circular Waveguide straight section with UG-387/U-M Anti-Cocking 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 100 to 112 GHz.

**Mechanical Specifications:**

| Item             | Specification                                                   |
|------------------|-----------------------------------------------------------------|
| Waveguide Size   | Ø 0.082" Circular Waveguide with UG-387/U-M Anti-Cocking Flange |
| Insertion Length | 1.0"                                                            |
| Material         | Brass                                                           |
| Finish           | Gold Plated                                                     |
| Weight           | 0.8 Oz                                                          |
| Outline          | WG-FF-082-A-L                                                   |

**ECCN**

EAR99

**FEATURES**

- Frequency Range: 100 to 112 GHz
- Rugged Waveguide Configuration
- Low Insertion Loss

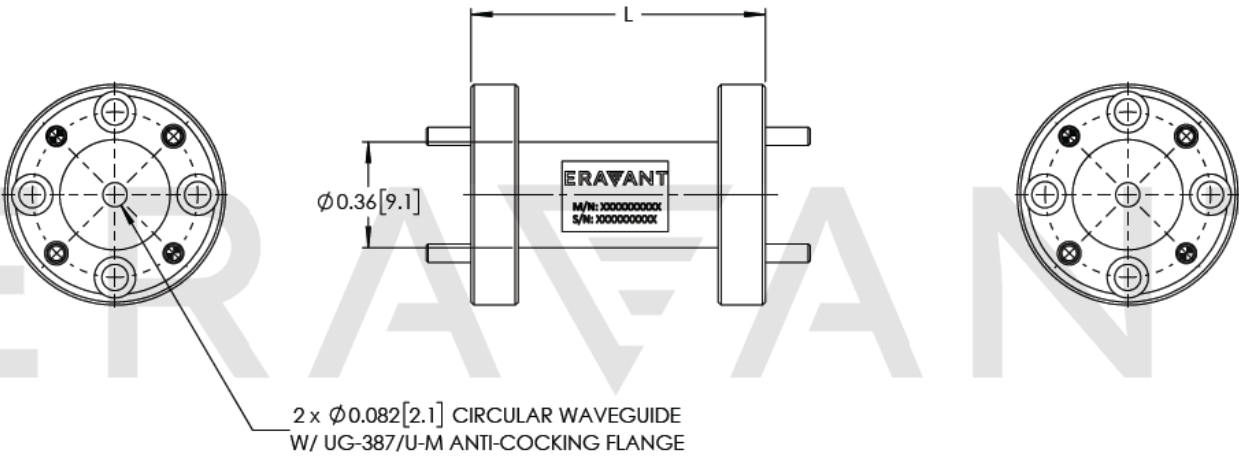
**APPLICATIONS**

- 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.