

## STQ-WG-03010-F1-2-WPC

## WR-03 Straight Waveguide Section, 1", Precision Machined

**STQ-WG-03010-F1-2-WPC** is a 1" long, WR-03 straight waveguide with UG387/U-M precision anti-cocking flanges. The straight waveguide covers the frequency range of 220 to 330 GHz. The straight waveguide is designed and manufactured with a precision machining process to ensure high quality and ruggedness for metrology applications.



## Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	220 GHz		330 GHz
Insertion Loss*		2.5 dB	
Return Loss		18 dB	
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

\*Performance may be reduced at band edges.

## Mechanical Specifications:

Item	Specification
Waveguide Port	WR-03 with UG 387/U-M Anti-Cocking Flange
Length (L)	1.0"
Material	Brass
Finish	Gold Plated
Weight	1.0 Oz
Outline	WB-F03-A-SB-L

## ECCN

EAR99

## FEATURES

- Frequency Range: 220 to 330 GHz
- Sturdy Mechanical Structure

## APPLICATIONS

- Test Labs
- Instrumentations
- Sub-assemblies

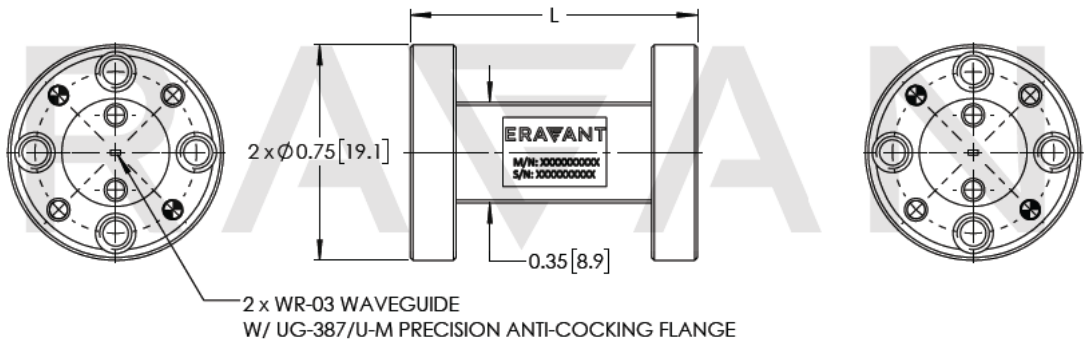
## SUPPLEMENTAL DETAILS



STQ-WG-03010-F1-2-WPC

Mechanical Outline:

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



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.