

SWB-05090-HB-1.0

WR-05 H-Plane Waveguide Bend, 90°

**SWB-05090-HB-1.0** is a 90 degree, WR-05 H-plane waveguide bend with UG-387/U-M anti-cocking flanges. The bend radius is 1.0". The waveguide bend is manufactured through a precision machining process to ensure high quality and ruggedness. The waveguide is offered to cover the frequency range of 140 to 220 GHz.



Mechanical Specifications:

Item	Specification
Waveguide Size	WR-05 Waveguide with UG-387/U-M Anti-Cocking Flanges
VSWR	1.10:1 (Max)
Bend Plane	H Plane
Bend Angle	90 Degrees
Bend Radius	1.0"
Flange Material	Brass
Waveguide Material	Copper
Finish	Gold Plated
Weight	0.6 Oz
Outline	WB-HG-A-L

ECCN

EAR99

FEATURES

- Frequency Coverage: 140.0 to 220.0 GHz
- Rugged Waveguide Configuration
- Low Insertion Loss

APPLICATIONS

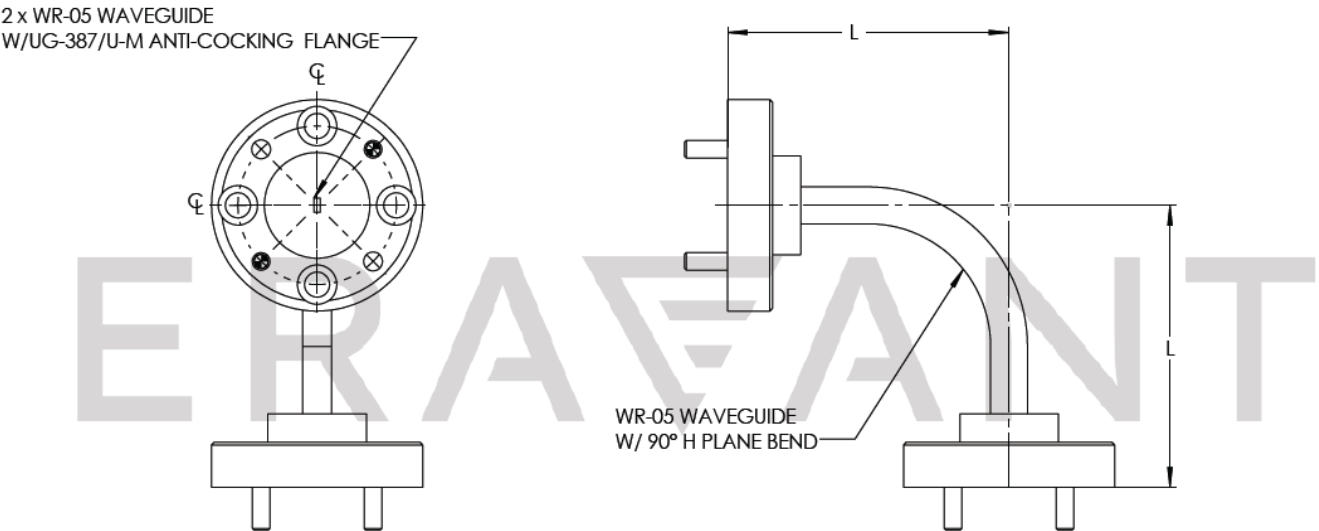
- Test Instrumentation
- Sub-assemblies
- Lab Use

SUPPLEMENTAL DETAILS



SWB-05090-HB-1.0

**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.

ERAVANT  
MAKING MILLIMETERWAVE ACCESSIBLE

ERAVANT  
MAKING MILLIMETERWAVE ACCESSIBLE