

## SWB-12045-HB

## WR-12 H-Plane Waveguide Bend, 45°

**SWB-12045-HB** is a 45 degree, WR-12 H-plane waveguide bend with UG-387/U anti-cocking flanges. The bend radius is 0.75". 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 60 to 90 GHz. The waveguide is also available in instrumentation grade.



## Mechanical Specifications:

Item	Specification
Waveguide Size	WR-12 Waveguide with UG-387/U Anti-Cocking Flanges
Bend Plane	H Plane
Bend Angle	45 Degrees
Bend Radius	0.75"
Flange Material	Brass
Waveguide Material	Copper
Finish	Gold Plated
Weight	0.74 Oz
Outline	WB-HE-5-A

## ECCN

EAR99

## FEATURES

- Frequency Coverage: 60.0 to 90.0 GHz
- Rugged Waveguide Configuration
- Low Insertion Loss

## APPLICATIONS

- Test Instrumentation
- Sub-assemblies
- Lab Use

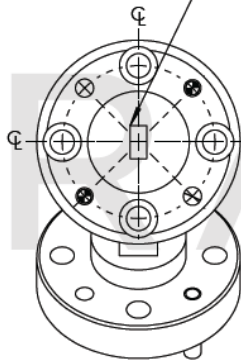
## SUPPLEMENTAL DETAILS



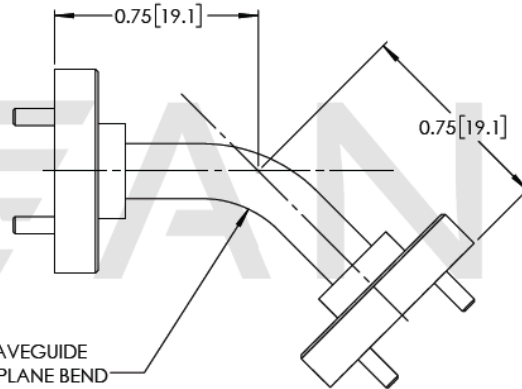
## SWB-12045-HB

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

2 x WR-12 WAVEGUIDE  
W/ UG-387/U ANTI-COCKING FLANGE



WR-12 WAVEGUIDE  
W/ 45° H PLANE BEND



### 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.