

SWB-08090-HB-1.0

WR-08 H-Plane Waveguide Bend, 90°

**SWB-08090-HB-1.0** is a 90 degree, WR-08 H-plane waveguide bend with UG-387/U-M 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 90 to 140 GHz.



Mechanical Specifications:

Item	Specification
Waveguide Size	WR-08 Waveguide with UG-387/U-M Flange
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-HF-1.0

ECCN

EAR99

FEATURES

- Frequency Coverage: 90 to 140 GHz
- Rugged Waveguide Configuration
- Low Insertion Loss

APPLICATIONS

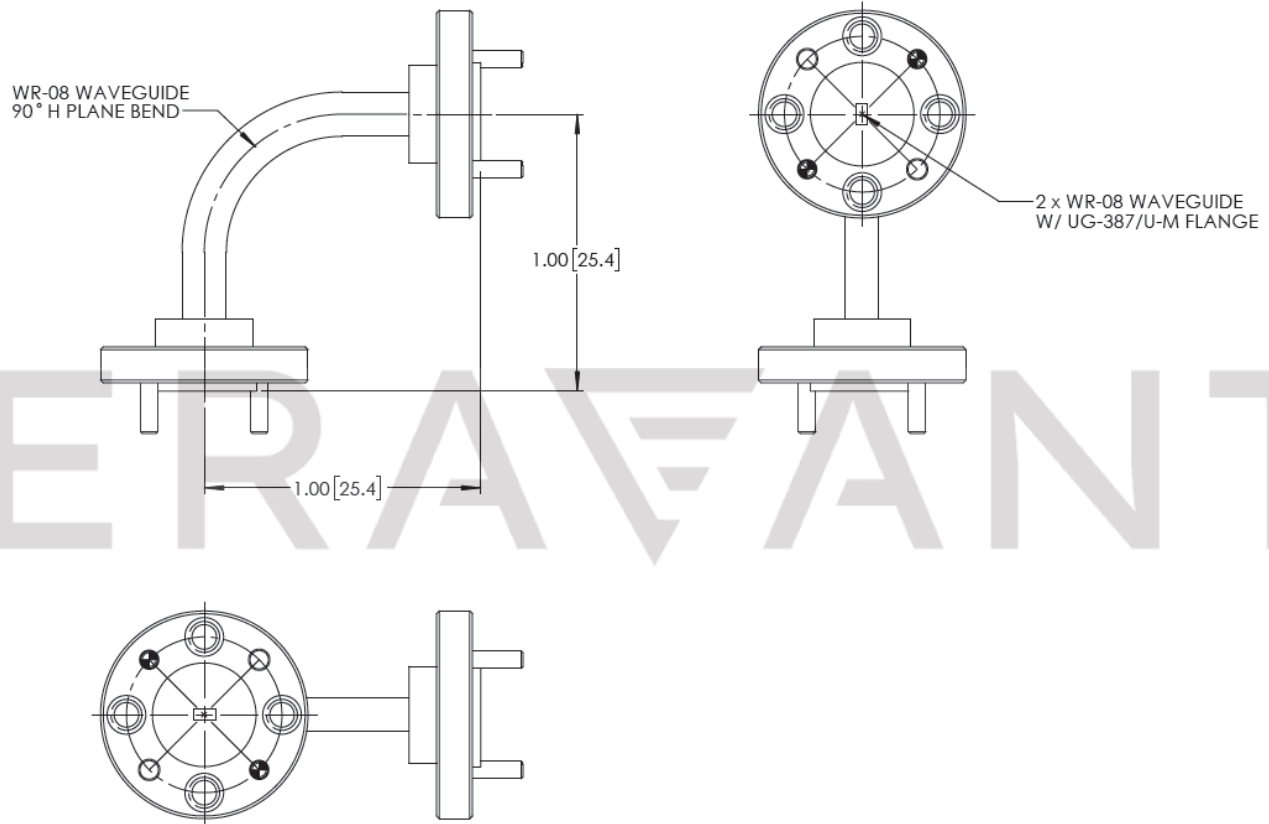
- Test Instrumentation
- Sub-assemblies
- Lab Use

SUPPLEMENTAL DETAILS



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



### NOTE:

- 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.

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