



WR-15 to WR-10 Waveguide Taper Transition

Description:

Model SWT-1510-LB is a WR-15 to WR-10 rectangular waveguide taper transition. The taper transition is manufactured by either EDM machining or electro-forming techniques to ensure high accuracy and a quality surface finish. The transition only induces a fraction of a dB insertion loss and offers a return loss of 20 dB or better.



Features:

- Rugged Waveguide Configuration
- Low Insertion Loss
- Instrumentation Grade

Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

Mechanical Specifications:

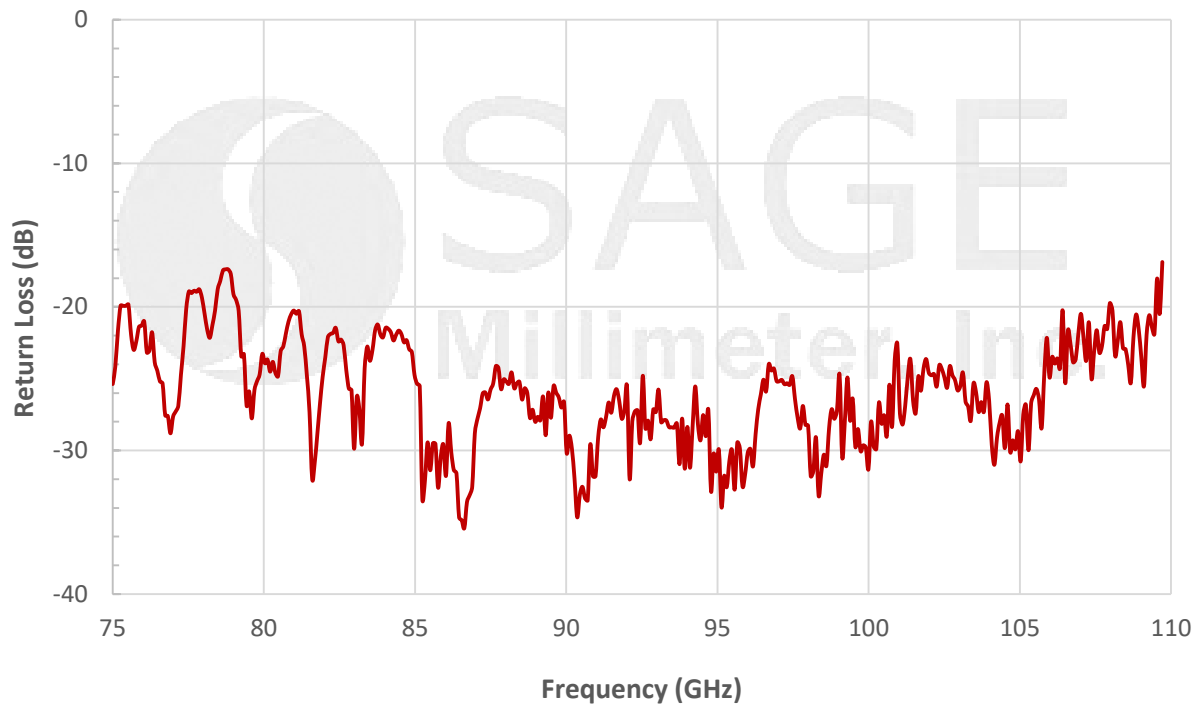
Item	Parameter
Waveguide Size	WR-15 Waveguide with UG-385/U Flange
Waveguide Size	WR-10 Waveguide with UG-387/U-M Flange
Insertion Length	1.0"
Outline	WT-VW
Material	Brass
Finish	Gold Plated
Weight	0.8 Oz



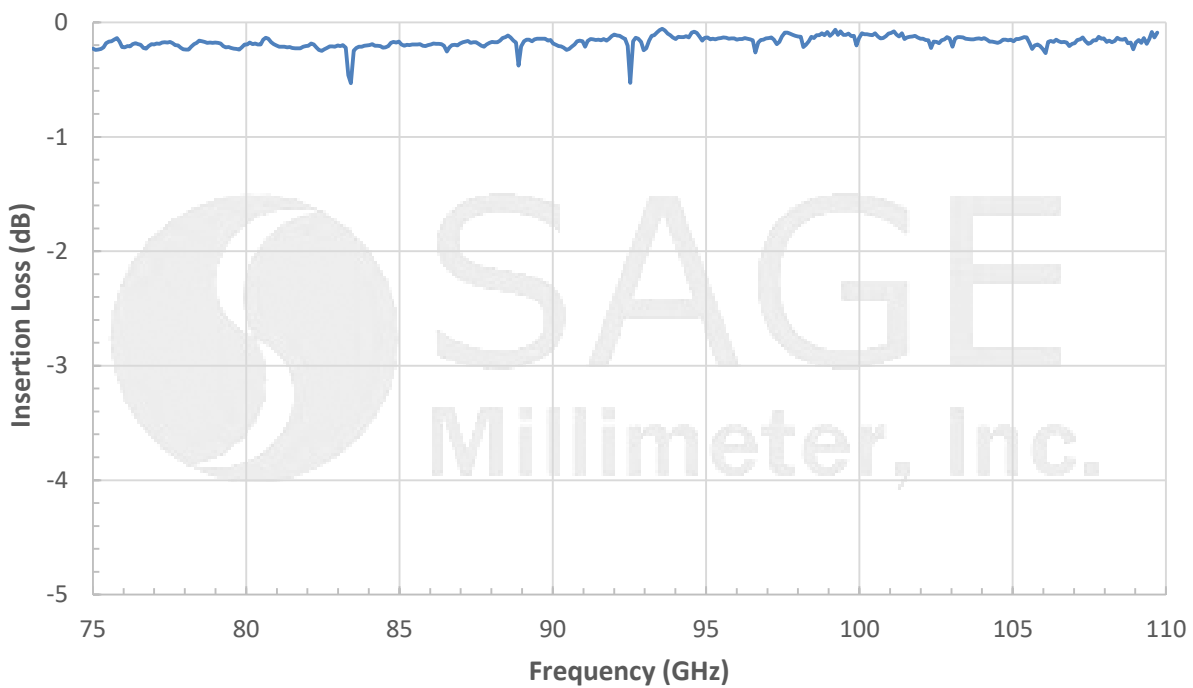


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Measured Return Loss vs. Frequency



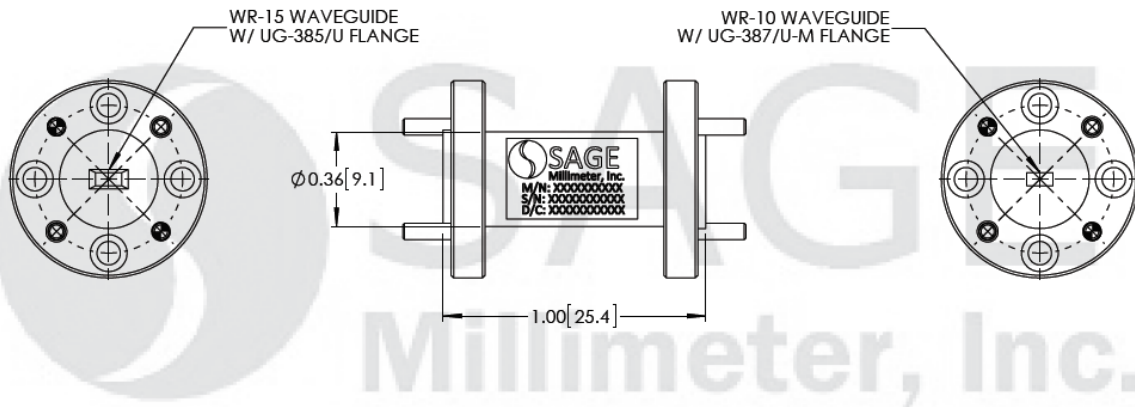
Measured Insertion Loss vs. Frequency





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



Note:

- All data presented is collected from a sample lot. Actual data may vary unit to unit, slightly.
- All testing was performed under +25 °C case temperature.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.
- Other mechanical configurations are available under different model numbers.

Caution:

- Any foreign objects in the waveguide will cause performance degradation and may damage the device

