

SWC-101M-E1-WP

W-Band Waveguide to 1.0 mm Connector Adapter, End Launch

SWC-101M-E1-WP is an end launch (180°) W-Band waveguide to coax adapter that covers the frequency range of 75 to 110 GHz. It is designed and manufactured for instrumentation grade quality but offered at a commercial grade price, allowing for an efficient transition between the rectangular waveguide and 1.0 mm coax connector. The right angle (90°) version is offered under model number **SWC-101M-R1**.



Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	75 GHz		110 GHz
Insertion Loss		1.2 dB	1.5 dB
Return Loss		14 dB	
Power Handling			10 W (CW)
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

FEATURES

- Full Waveguide Band Coverage
- Low Insertion Loss and VSWR
- Instrumentation Grade
- DC Short Circuit

APPLICATIONS

- Test Lab
- Instrumentations
- Sub-assemblies

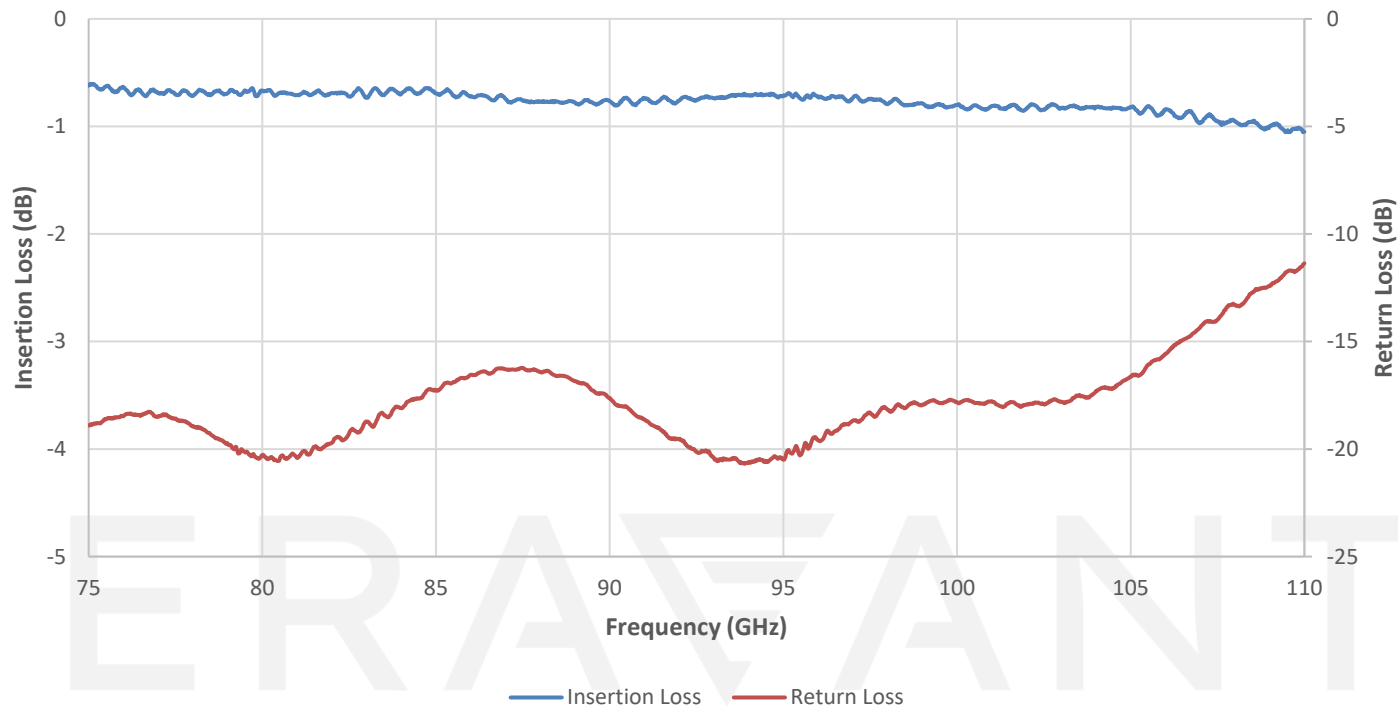
Mechanical Specifications:

Item	Specification
Waveguide Port	WR-10 with UG-387/U-M Anti-Cocking Flange
Coaxial Port	1.0 mm Male for Model Number: SWC-101M-E1
Material	Aluminum
Finish	Gold Plated
Weight	0.3 Oz
Outline	WC-WE-A



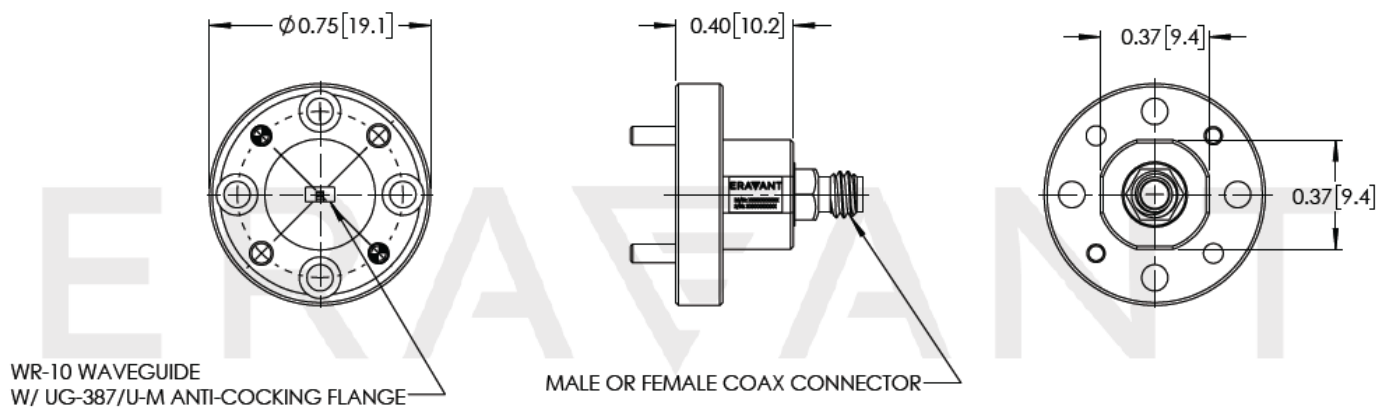
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Measured Performance vs Frequency



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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.
- Eravant reserves the right to change the information presented without notice.

CAUTION:

- Any foreign objects in the waveguide will cause performance degradation and may damage the device.
- Proper torque, 4.0 ± 0.15 inch-pounds (0.45 ± 0.02 Nm), should be used. **Eravant torque wrench, model SCH-06004-S1, is highly recommended.**

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