SWC-62SF-E1-V and SWC-62SM-E1-V

Ku-Band Waveguide to SMA Connector Adapter, End Launch, Thermal Vacuum Safe

SWC-62SF-E1-V and SWC-62SM-E1-V is end launch (180°) Ku-Band waveguide to SMA coax adapters that cover the frequency range of 12 to 18 GHz. They are designed and manufactured for instrumentation grade quality and thermal vacuum compatibility, allowing for an efficient transition between the rectangular waveguide and SMA coax connector.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	12 GHz		18 GHz
Insertion Loss		0.3 dB	
Return Loss		20 dB	
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

Mechanical Specifications:

Item	Specification
Waveguide Port	WR-62 Waveguide with UG-419/U Flange
Coaxial Port	SMA (F) for Model Number: SWC-62SF-E1-V
	SMA (M) for Model Number: SWC-62SM-E1-V
Material	Aluminum
Finish	Gold Plated
Weight	1.3 Oz
Outline	WC-6E

ECCN

EAR99

FEATURES

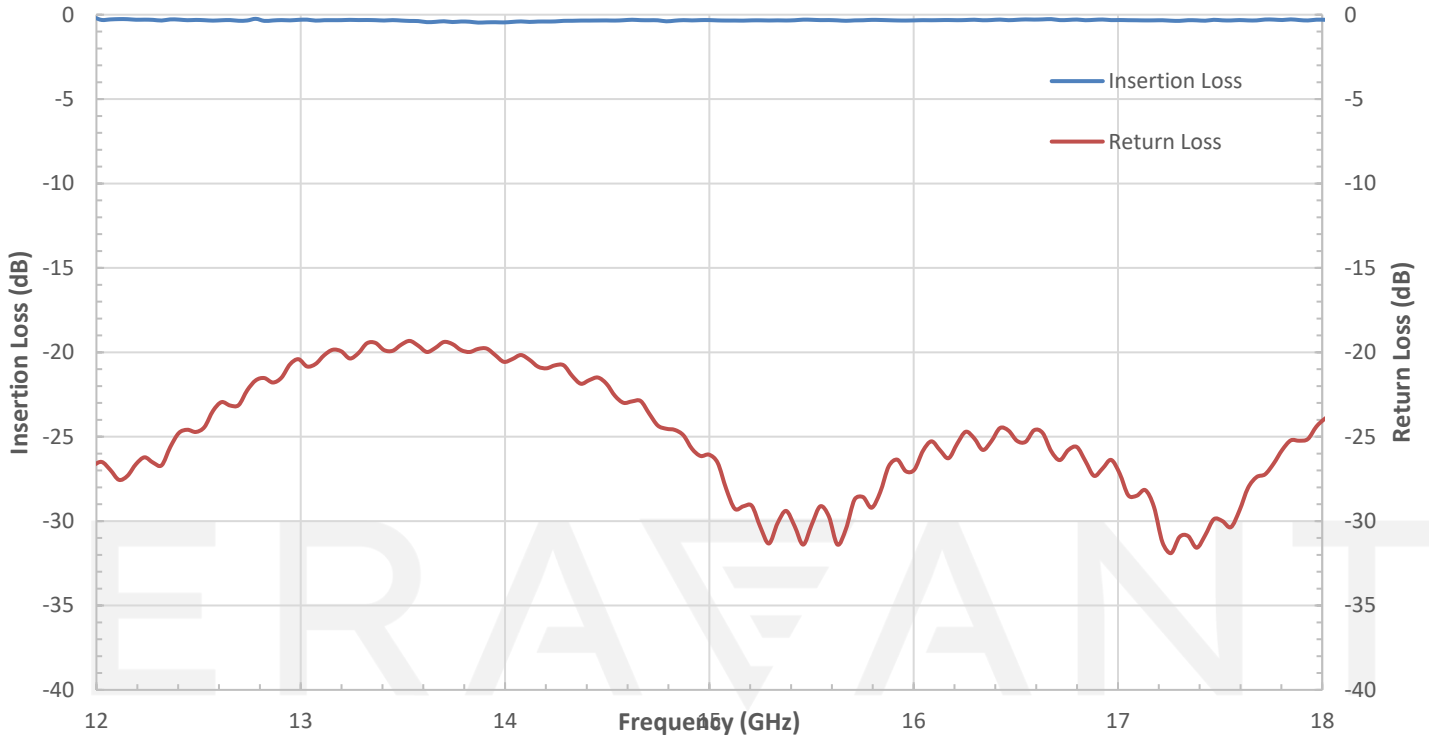
- Thermal Vacuum Safe
- Full Waveguide Band Coverage
- Low Insertion Loss
- DC Short Circuit

APPLICATIONS

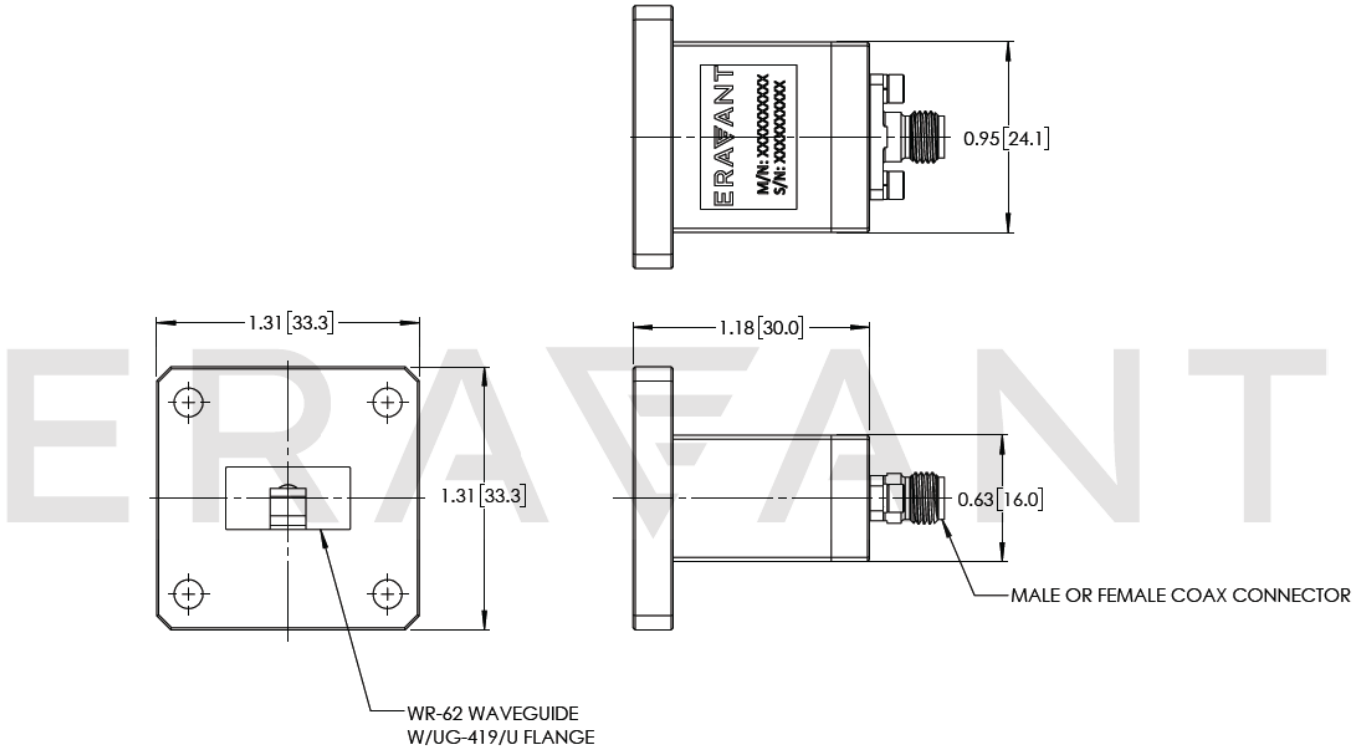
- Thermal Vacuum Chamber
- Test Lab
- Instrumentation
- Sub-assemblies

SUPPLEMENTAL DETAILS

Typical Insertion Loss and Return Loss vs Frequency



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



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.
- 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 1.35 mm, 1.85 mm, 2.4 mm, 2.92 mm, and SMA connectors proper torque should be applied: 8.0 ± 0.15 inch-pounds (0.90 ± 0.02 Nm). Torque wrench model SCH-08008-S1 is highly recommended.

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