SCT-SFSM-UB-R-V

SMA (F) to SMA (M) Coaxial Adapter, Right Angle
Thermal Vacuum Safe

SCT-SFSM-UB-R-V is a SMA female to SMA male coaxial adapter with a right angle (90°) that covers the frequency range of DC to 26.5 GHz. The adapter is specifically designed and manufactured for testing in thermal vacuum environments. The adpater is made with low outgassing materials and includes venting holes on the connector to allow unimpeded air flow during pressurization and depressurization cycles. This coaxial adapter offers efficient transitioning between the coaxial connectors with a high return loss and typical insertion loss of 0.3 dB. The impedance of the adapter is 50 Ohms. Other configurations are available under different model numbers.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	DC		26.5 GHz
Insertion Loss		0.3 dB	
Return Loss		25 dB	
Impedance		50 Ω	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

Item	Specification
Connector 1 Type	SMA Female
Connector 2 Type	SMA Male
Body Material	Stainless Steel
Body Finish	Passivated
Contact Material	Beryllium Copper
Insulator Material	PTFE/PEI
Adaptor Body Style	Right Angle
Weight	0.2 Oz
Length	0.63” x 0.65”
Outline	CT-SFSM-R-V-LN1

ECCN

EAR99

FEATURES

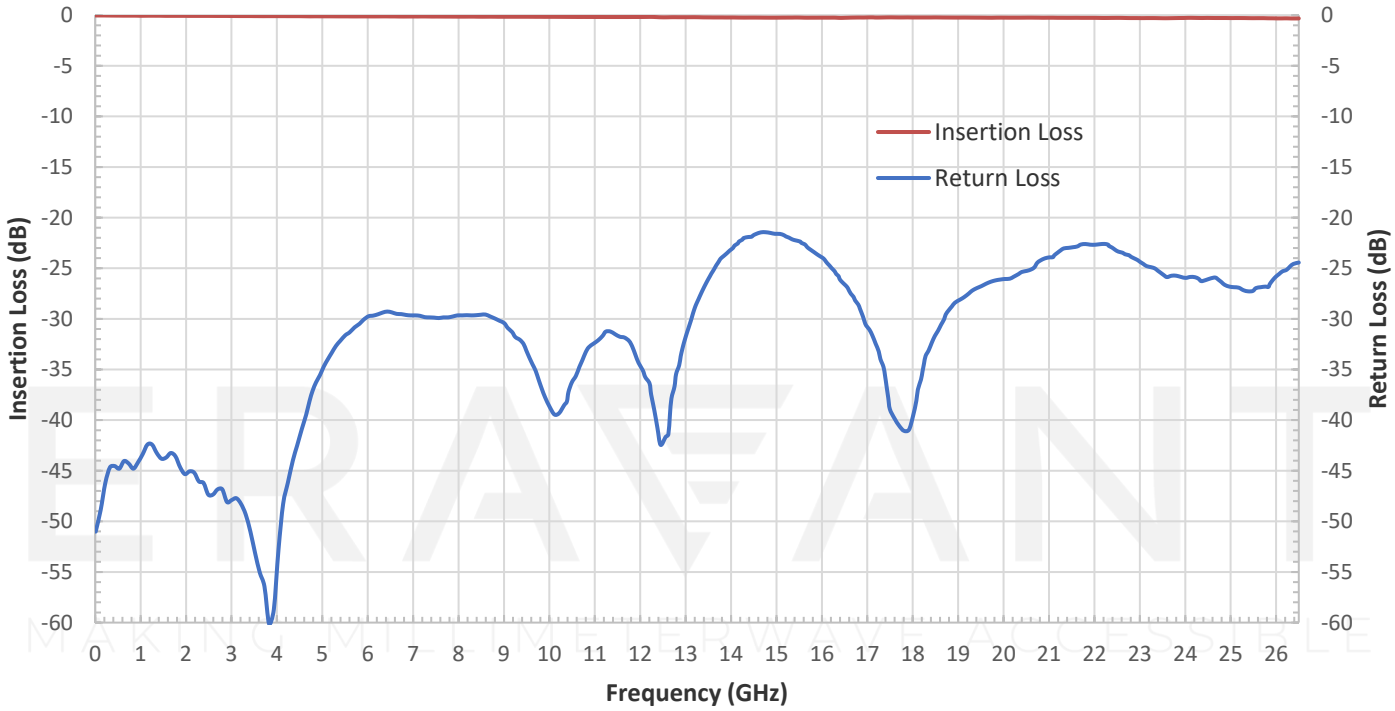
- Instrumentation Grade
- Low Outgassing
- Vented Connector

APPLICATIONS

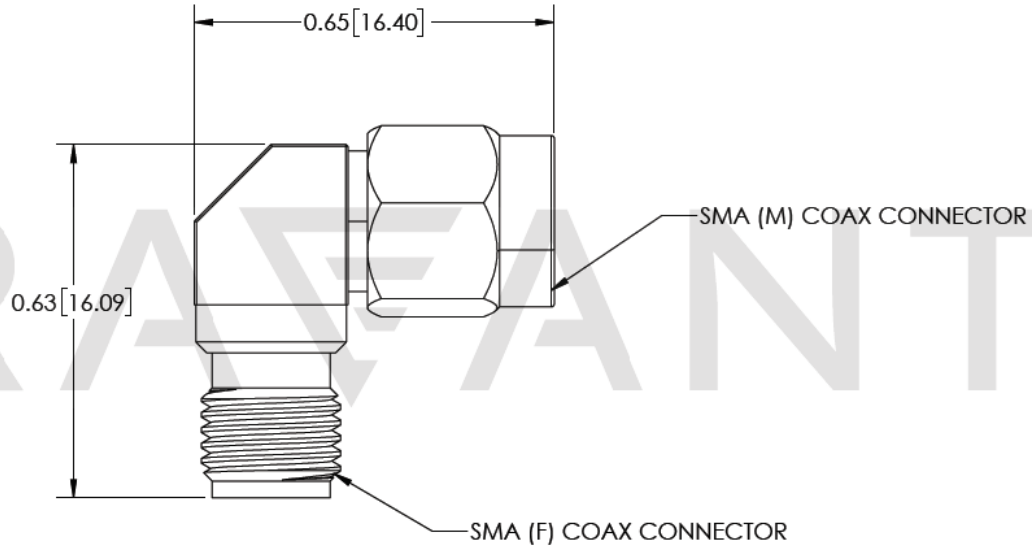
- Test Lab
- Sub-assemblies
- Thermal Vacuum Testing

SUPPLEMENTAL DETAILS

Typical Performance vs. Frequency



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 slightly from unit to unit.
- All testing is performed under +25 °C case temperature.
- Eravant reserves the right to change the information presented without notice.

CAUTION:

- Exceeding absolute maximum ratings shown will damage the device.
- 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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