

## SMA (F) to SMA (M) Coaxial Adapter, Right Angle

### Description:

**Model SCT-SFSM-U8-R** 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. 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.



### Features:

- Instrumentation Grade
- High Return Loss
- Low Insertion Loss

### Applications:

- Test Lab
- Sub-assemblies

### Electrical Specifications:

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

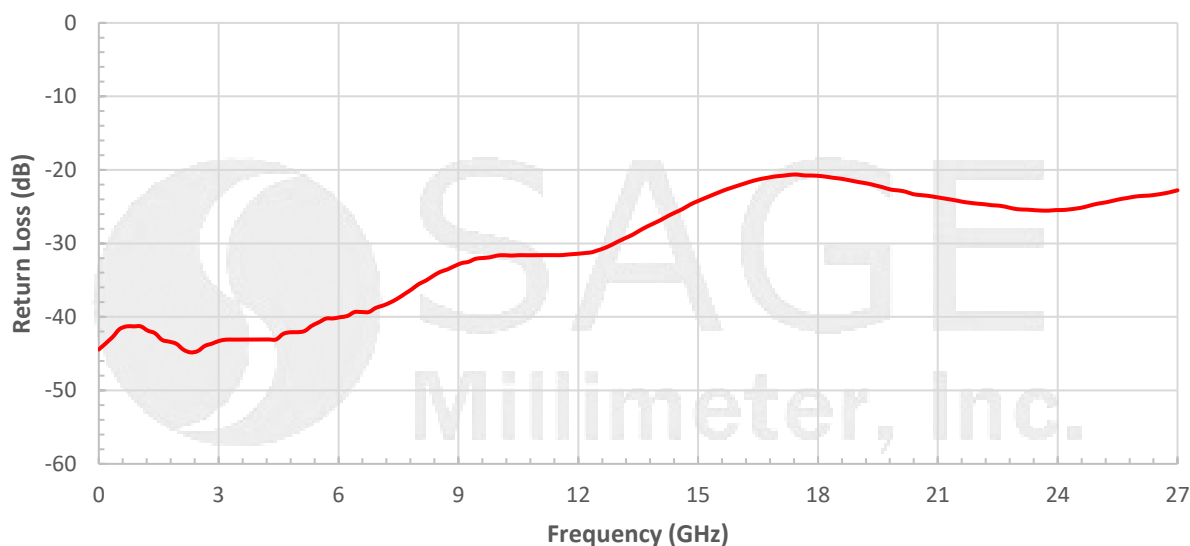
### Mechanical Specifications:

Item	Specification
Connector 1 Type	SMA Female
Connector 2 Type	SMA Male
Body Material	Stainless Steel
Body Finish	Passivated
Contact Material	Brass
Insulator Material	PTFE
Adapter Body Style	Right Angle
Weight	0.2 Oz
Outline	CT-SFSM-R-SR1

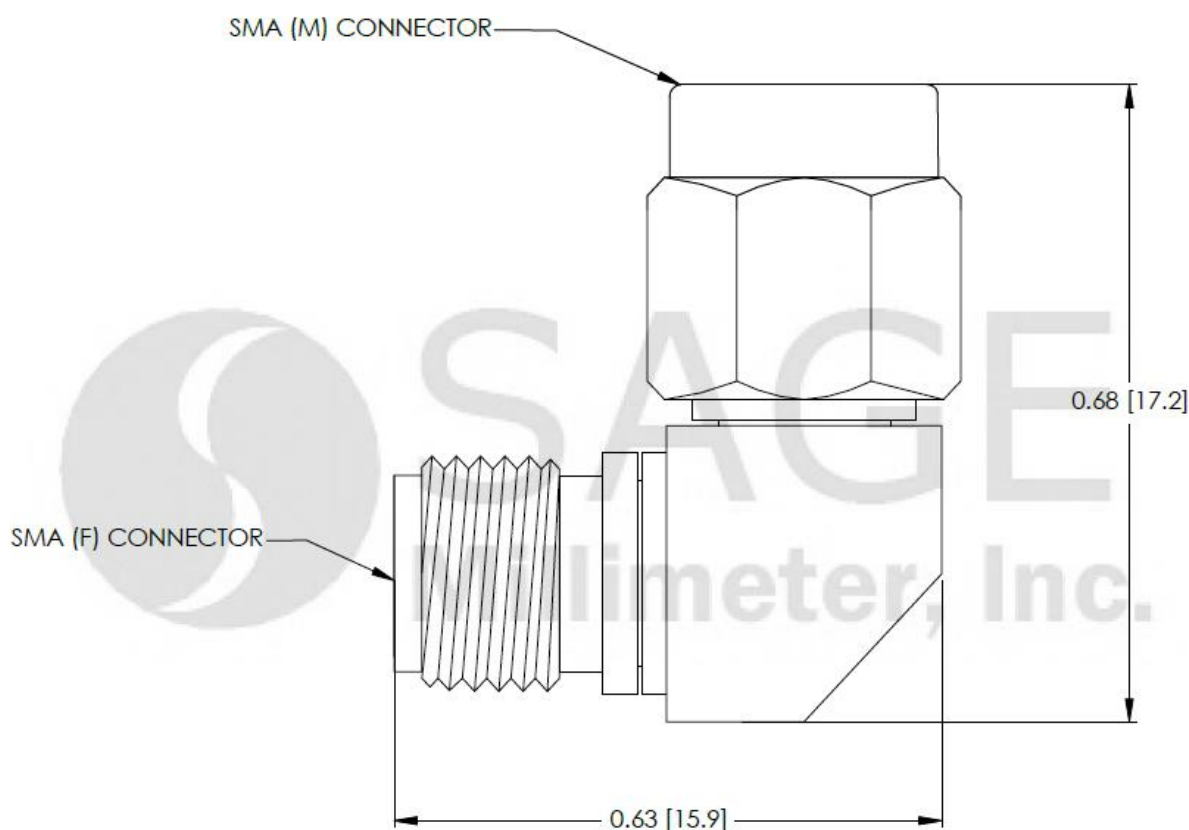


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### Typical Return Loss vs. Frequency



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





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### Note:

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

### Caution:

- Proper torque,  $8.0 \pm 0.15$  inch-pounds ( $0.90 \pm 0.02$  Nm), should be applied. **SAGE Millimeter torque wrench, model SCH-08008-U3, is highly recommended.**

