

SMA (M) to SMA (M) Coaxial Adapter

Description:

Model SCT-SMSM-UB is a SMA male to SMA male coaxial adapter 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 @ DC to 18 GHz		23 dB	
Return Loss @ 18 to 26.5 GHz		20 dB	
Impedance		50 Ω	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

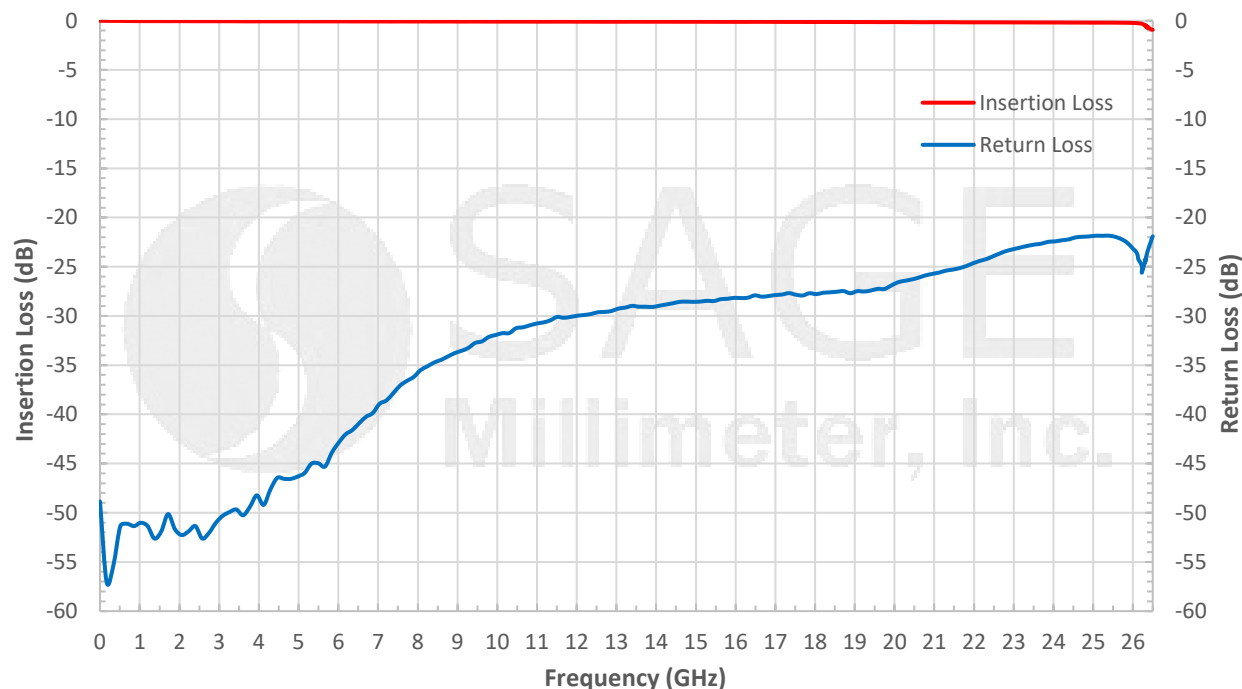
Mechanical Specifications:

Item	Specification
Connector 1 Type	SMA Male
Connector 2 Type	SMA Male
Body Material	Stainless Steel
Body Finish	Passivated
Contact Material	Beryllium Copper
Insulator Material	PTFE
Weight	0.09 Oz (2.5 Grams)
Length	0.89"
Outline	CT-SMSM-LN1

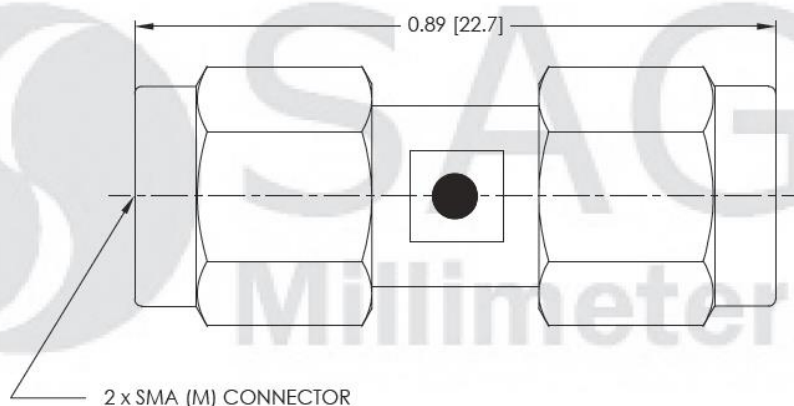


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Typical Performance vs. Frequency



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 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.

Caution:

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

