

SCT-1F08M-UB

1.0 mm (F) to 0.8 mm (M) Coaxial Adapter

SCT-1F08M-UB is a 1.0 mm female to 0.8 mm male coaxial adapter that covers the frequency range of DC to 110 GHz. This coaxial adapter offers efficient transitioning between the coaxial connectors with a high return loss and typical insertion loss of 1.2 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		110 GHz
Insertion Loss*		1.2 dB	
Return Loss		14 dB	
Impedance		50 Ω	
Specification Temperature		+25 $^{\circ}\text{C}$	
Operating Temperature	-40 $^{\circ}\text{C}$		+85 $^{\circ}\text{C}$

*Insertion loss is tested back-to-back with SCT-1M08F-UB.

Mechanical Specifications:

Item	Specification
Connector 1 Type	1.0 mm Female
Connector 2 Type	0.8 mm Male
Body Material	Stainless Steel
Body Finish	Passivated
Contact Material	Beryllium Copper
Insulator Material	PEI
Weight	0.09 Oz (2.5 Grams)
Length	0.45"
Outline	CT-1F08M-LN1

ECCN

EAR99

FEATURES

- Instrumentation Grade
- High Return Loss
- Low Insertion Loss

APPLICATIONS

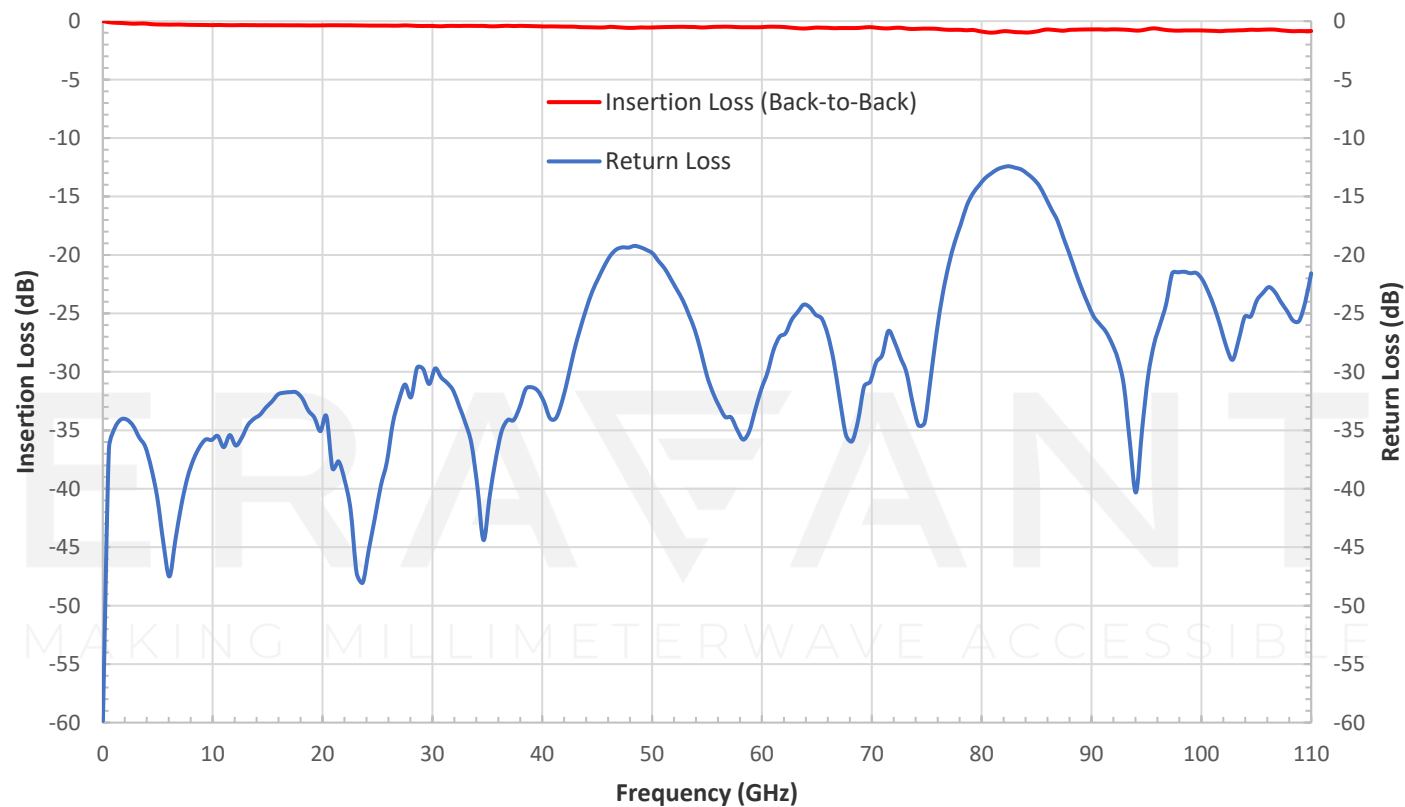
- Test Lab
- Sub-assemblies

SUPPLEMENTAL DETAILS

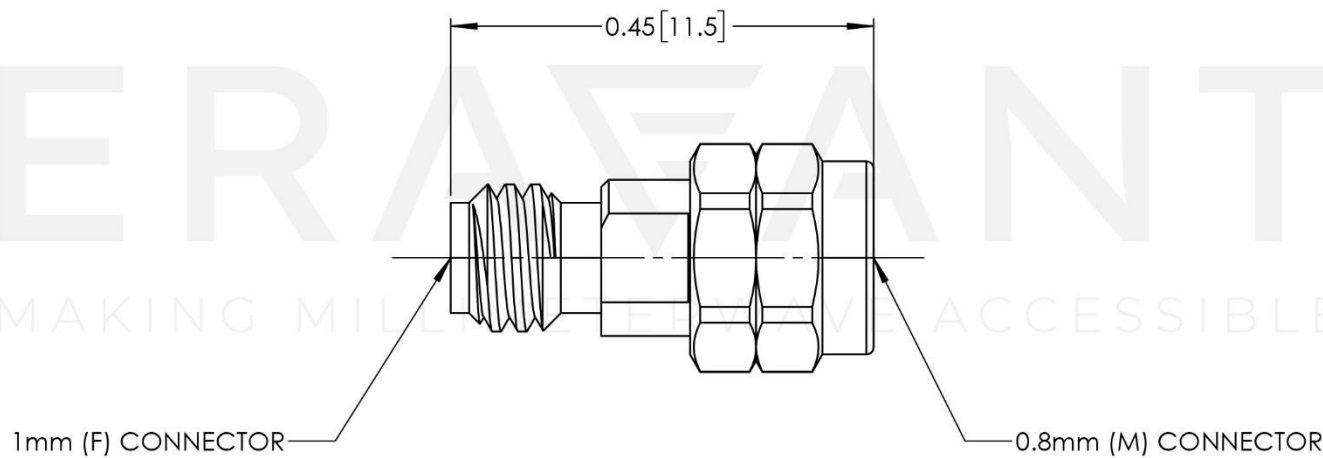


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Typical Performance vs. Frequency



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 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: 4.0 ± 0.15 inch-pounds (0.45 ± 0.02 Nm). Torque wrench model SCH-06004-S1 is highly recommended.

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