

SCT-1F08F-UB

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

SCT-1F08F-UB is a 1.0 mm female to 0.8 mm female 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 $^{\circ}$ C | |
| Operating Temperature | -40 $^{\circ}$ C | | +85 $^{\circ}$ C |

*Insertion loss is tested back-to-back with SCT-1M08M-UB.

Mechanical Specifications:

| Item | Specification |
|--------------------|---------------------|
| Connector 1 Type | 1.0 mm Female |
| Connector 2 Type | 0.8 mm Female |
| 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-1F08F-LN1 |

ECCN

EAR99

FEATURES

- Instrumentation Grade
- High Return Loss
- Low Insertion Loss

APPLICATIONS

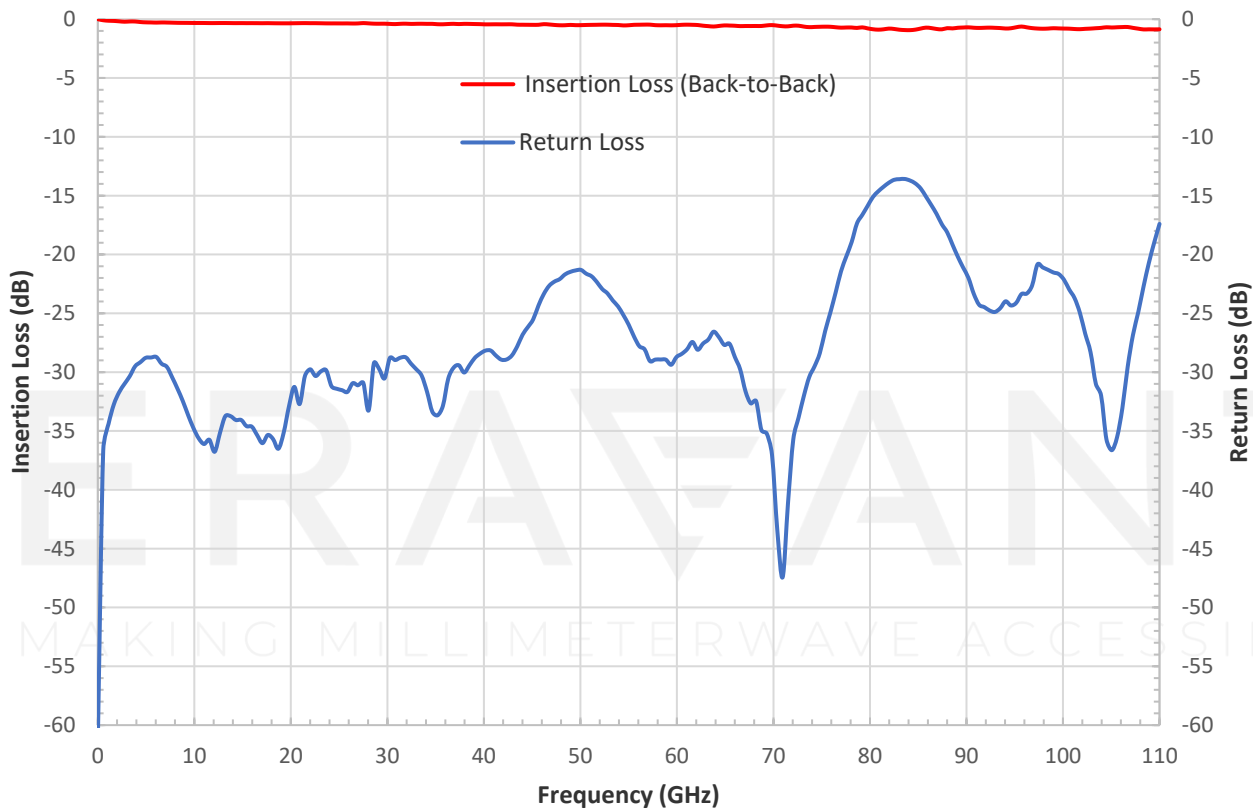
- Test Lab
- Sub-assemblies

SUPPLEMENTAL DETAILS

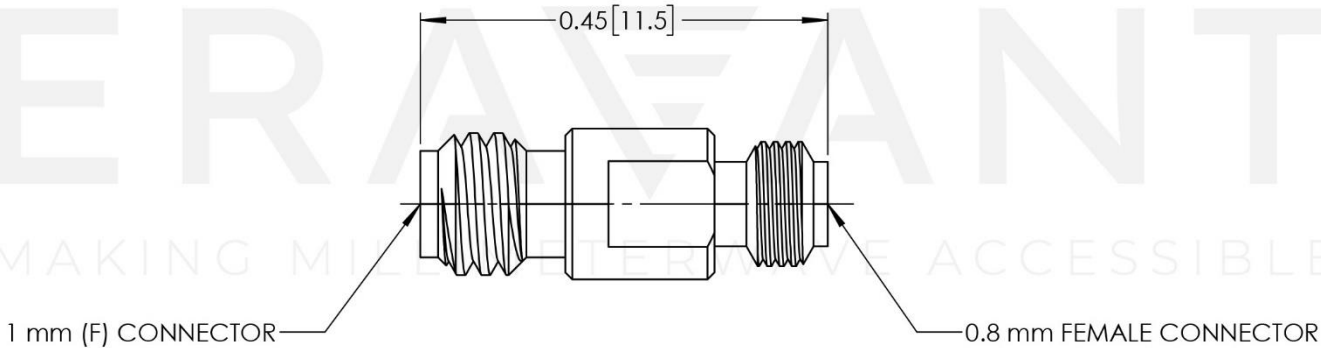


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Typical Performance vs. Frequency



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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