



## 2.92 mm (F) to 1.85 mm (F) Coaxial Adapter

### Description:

**Model SCT-KFVF-UB** is a 2.92 mm female to 1.85 mm female coaxial adapter that covers the frequency range of DC to 40 GHz. This coaxial adapter offers efficient transitioning between the coaxial connectors with a high return loss and typical insertion loss of 0.8 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      |         | 40 GHz  |
| Insertion Loss            |         | 0.8 dB  |         |
| Return Loss               |         | 21 dB   |         |
| Impedance                 |         | 50 Ω    |         |
| Specification Temperature |         | +25 °C  |         |
| Operating Temperature     | -40 °C  |         | +85 °C  |

### Mechanical Specifications:

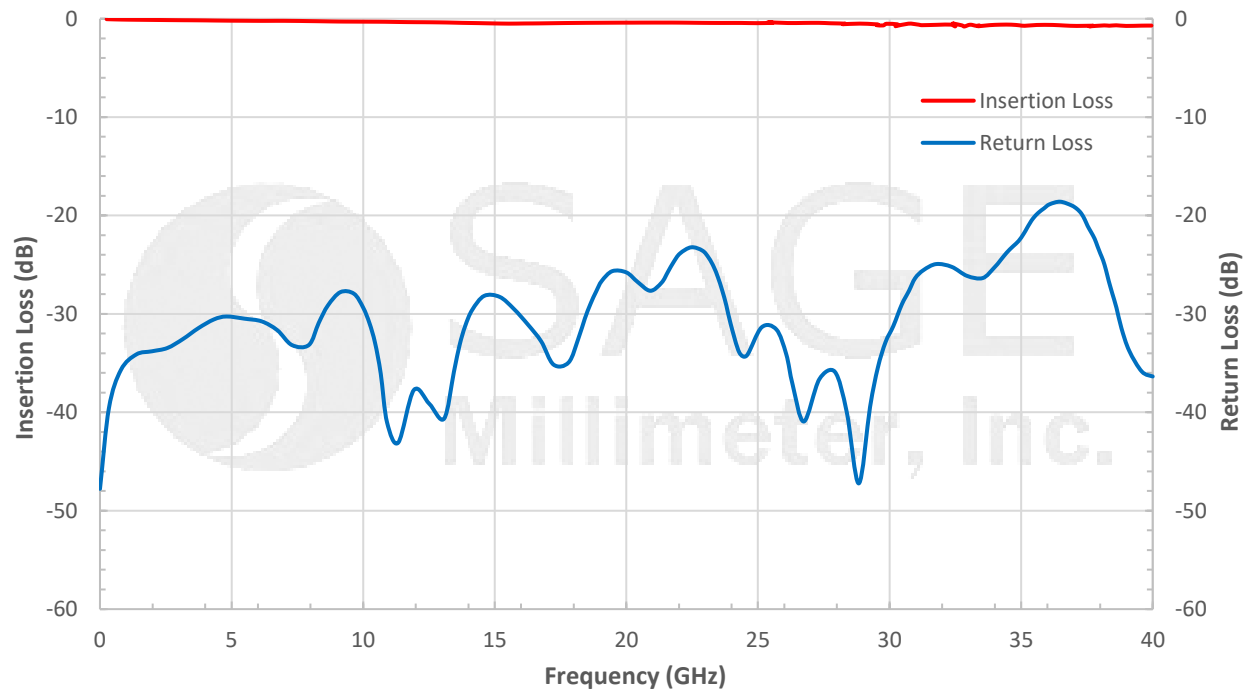
| Item               | Specification    |
|--------------------|------------------|
| Connector 1 Type   | 2.92 mm Female   |
| Connector 2 Type   | 1.85 mm Female   |
| Body Material      | Stainless Steel  |
| Body Finish        | Passivated       |
| Contact Material   | Beryllium Copper |
| Insulator Material | PEI              |
| Weight             | 0.12 Oz          |
| Length             | 0.80"            |
| Outline            | CT-KFVF-LN1      |



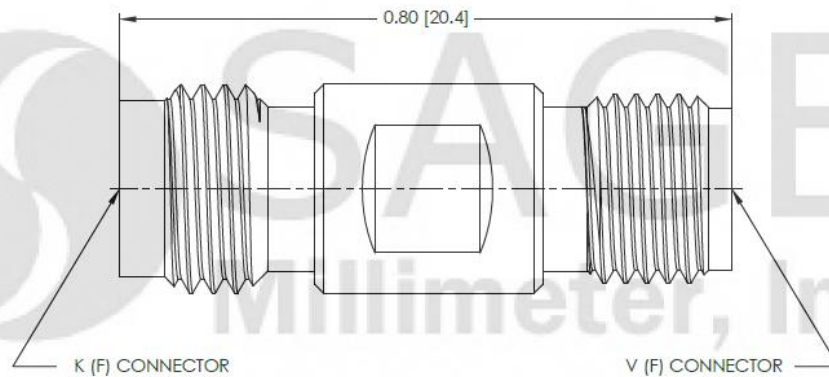


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### Typical Performance vs. Frequency



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

