

## 2.92 mm (F) to 2.92 mm (M) Coaxial Adapter, Right Angle

### Description:

**Model SCT-KFKM-U8-R** is a 2.92 mm (K) female to 2.92 mm (K) male coaxial adapter with a right angle (90°) 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 0.4 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			0.4 dB	
Return Loss	@ DC to 20 GHz		30 dB	
	@ 20 to 40 GHz		25 dB	
Impedance			50 $\Omega$	
Specification Temperature			+25 °C	
Operating Temperature		-40 °C		+85 °C

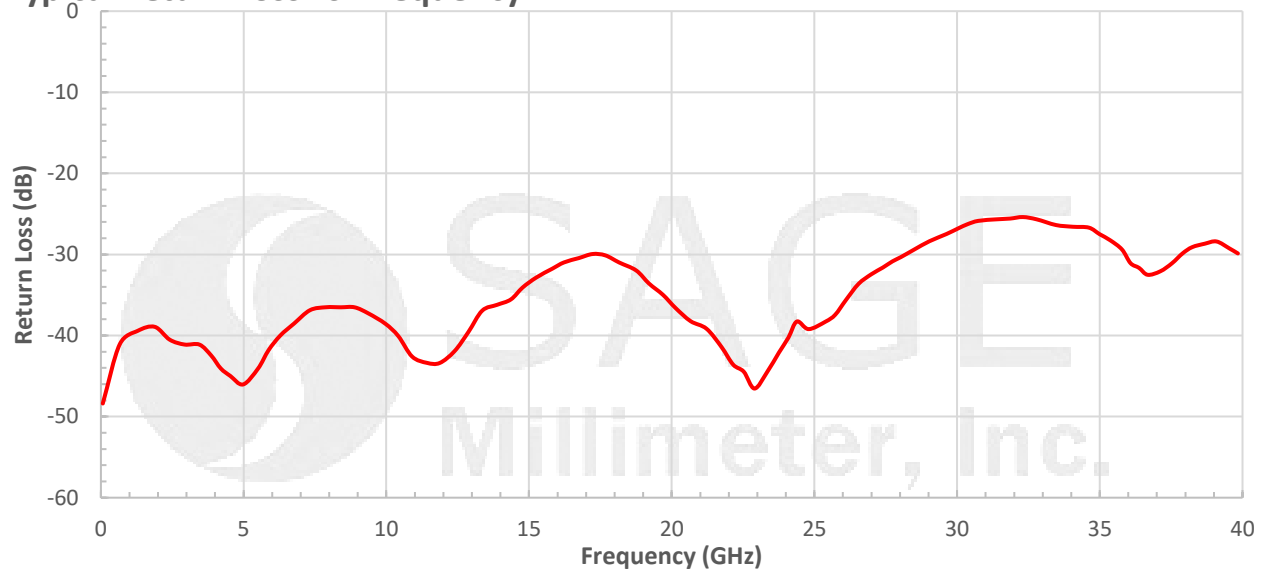
### Mechanical Specifications:

Item	Specification
Connector 1 Type	2.92 mm (K) Female
Connector 2 Type	2.92 mm (K) Male
Body Material	Stainless Steel
Body Finish	Passivated
Contact Material	Beryllium Copper
Insulator Material	PEI
Adapter Body Style	Right Angle
Weight	0.2 Oz
Size	0.62" (L) X 0.68" (W)
Outline	CT-KFKM-SR1R

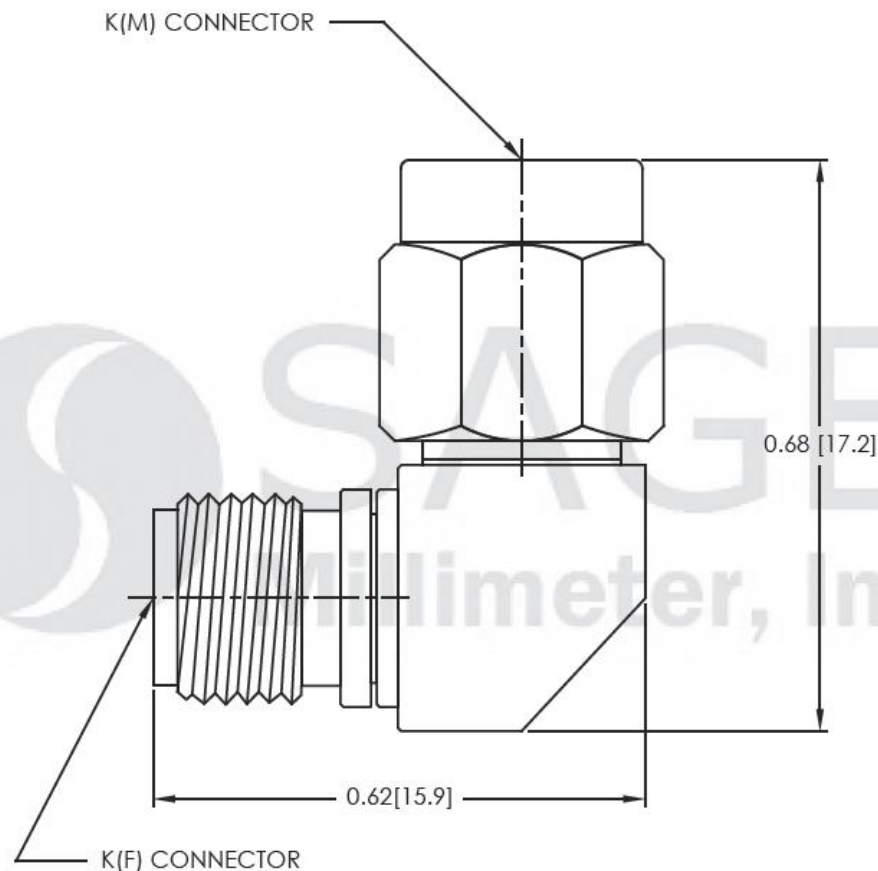


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Typical Return Loss vs. Frequency



**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.**

