



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

Description:

Model SCT-KFKM-UB-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 Ω	
Power Handling (CW)*				20 W (CW)
Specification Temperature			+25 °C	
Operating Temperature		-40 °C		+85 °C

*Note: The power handling is specified conservatively. It can be as high as 50 watts depending on user environment details.

Mechanical Specifications:

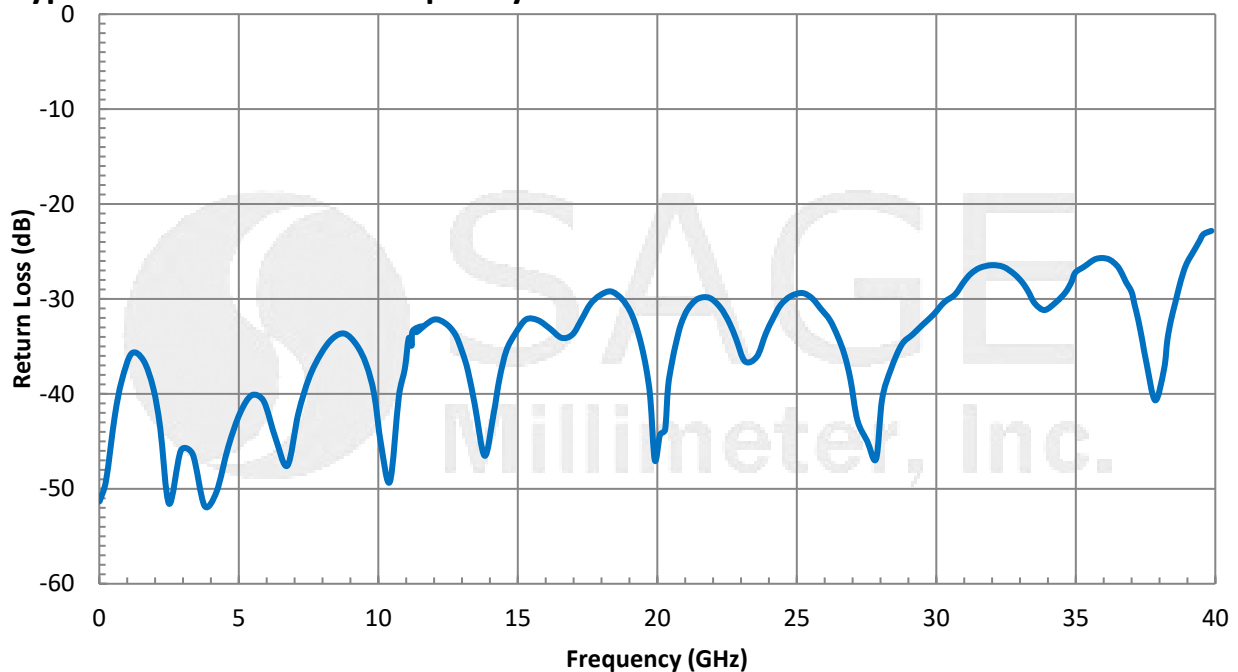
Item	Specification
Connector 1 Type	2.92 mm (K) Female
Connector 2 Type	2.92 mm (K) Male
Body Material	Stainless Steel
Body Finish	Passivated
Contact Material	Beryllium Copper
Insulator Material	PEI
Adapter Body Style	Right Angle
Weight	0.2 Oz
Size	0.63" (L) X 0.66" (W)
Outline	CT-KFKM-R-LN1



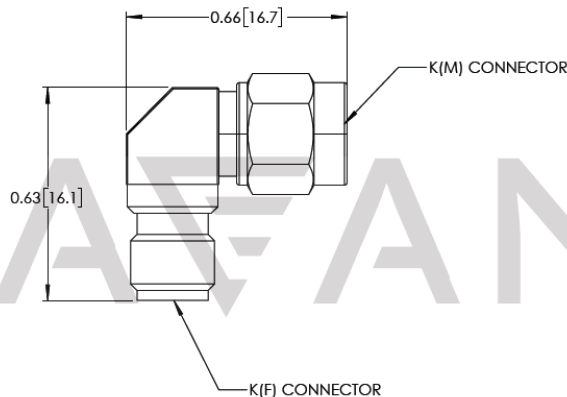
www.sagemillimeter.com | 3043 Kashiwa Street, Torrance, CA 90505
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Typical Return Loss vs. Frequency



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.
- 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.**



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