

## 2.92 mm Female to 2.92 mm Female Coaxial Bulkhead Adapter, Space Qualified

## Description:

**Model SCT-KFKF-U8-B-S** is a space qualified 2.92 mm Female to 2.92 mm female coaxial bulkhead adapter that covers the frequency range of DC to 40 GHz. This coaxial bulkhead adapter offers efficient transitioning between the coaxial connectors with a low insertion loss and typical return loss of 20 dB. The impedance of the adapter is 50 Ohms. Other configurations are available under different model numbers.



## Features:

- Instrumentation Grade
- Space Qualified
- Low Insertion Loss

## Applications:

- Test Lab
- Sub-assemblies

## Electrical Specifications:

Parameter		Minimum	Typical	Maximum
Frequency		DC		40 GHz
Insertion Loss	@ DC to 20 GHz		0.15 dB	
	@ 20 to 40 GHz		0.19 dB	
Return Loss	@ DC to 27 GHz		27 dB	
	@ 27 to 40 GHz		14 dB	
Impedance			50 $\Omega$	
Specification Temperature			+25 °C	
Operating Temperature		-55 °C		+165 °C

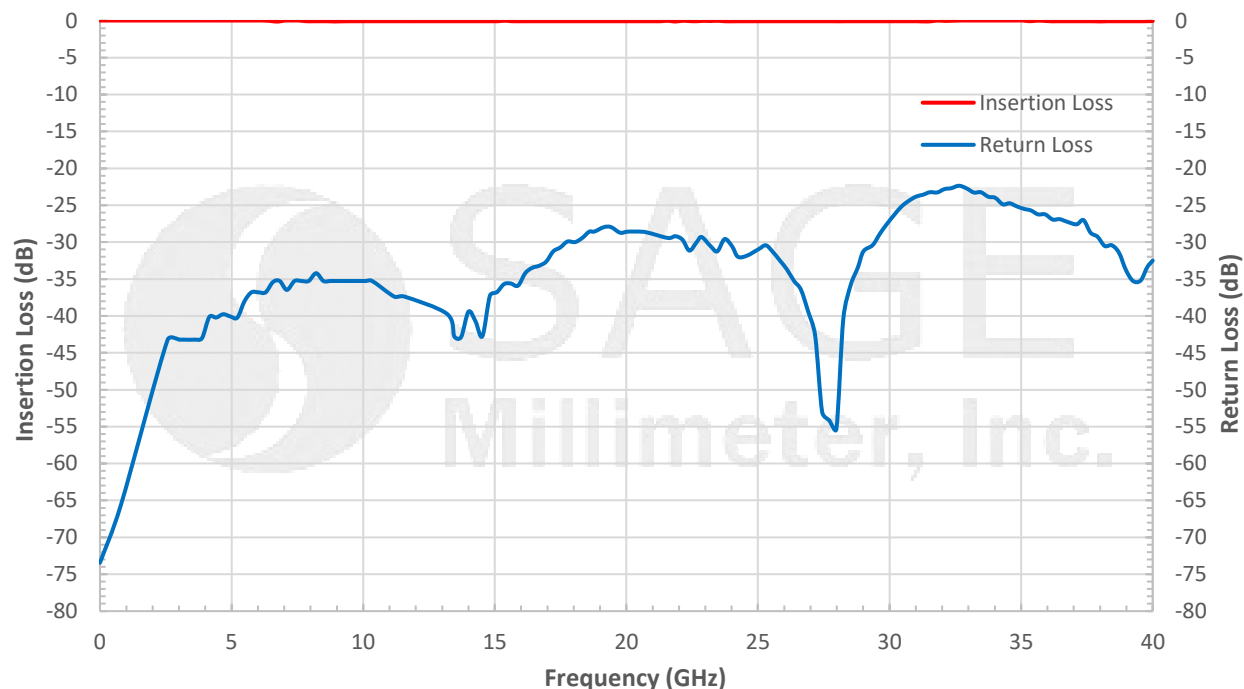
## Mechanical Specifications:

Item	Specification
Connector 1 Type	2.92 mm Female
Connector 2 Type	2.92 mm Female
Panel Wall Thickness	0" [0 mm](Min) to 0.276" [7 mm](Max)
Body Material	Stainless Steel
Body Finish	Passivated
Contact Material	Beryllium Copper
Insulator Material	PEI
Adapter Body Style	Bulkhead
Weight	0.2 Oz
Length	0.74"
Outline	CT-KFKF-B-SR1

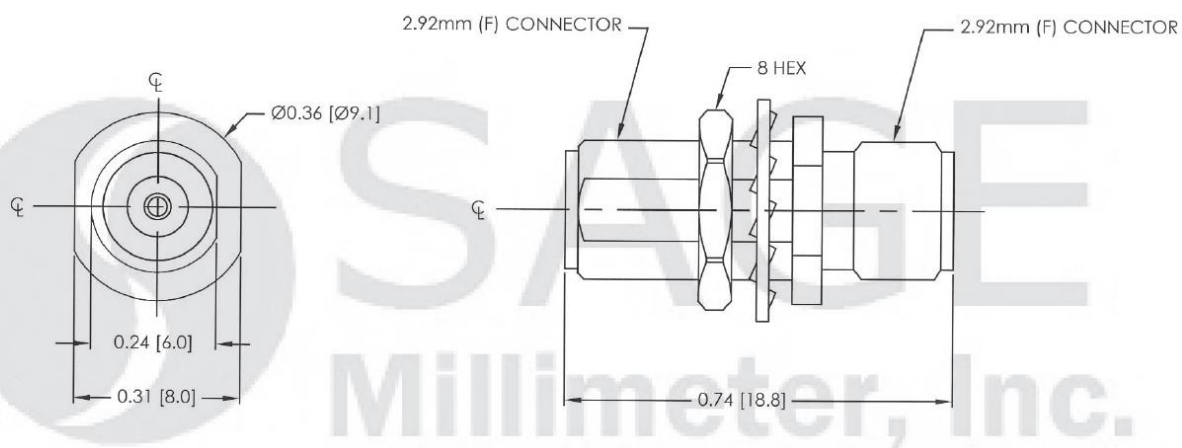


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### Typical Performance vs. Frequency



**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.
- 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-S1, is highly recommended.**



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