

2.92 mm Female to 2.92 mm Female Coaxial Bulkhead Adapter, Space Qualified**Description:**

SCT-KFKF-U4-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 return loss of 27 dB typical in DC to 27 GHz range and 23 dB typical in 27 to 40 GHz range. The impedance of the adapter is 50 Ohms. Other configurations are available under different model numbers.

**Features:**

- Space Qualified
- Instrumentation Grade
- 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		23 dB	
Impedance			50 Ω	
Specification Temperature			+25 °C	
Operating Temperature		-55 °C		+135 °C

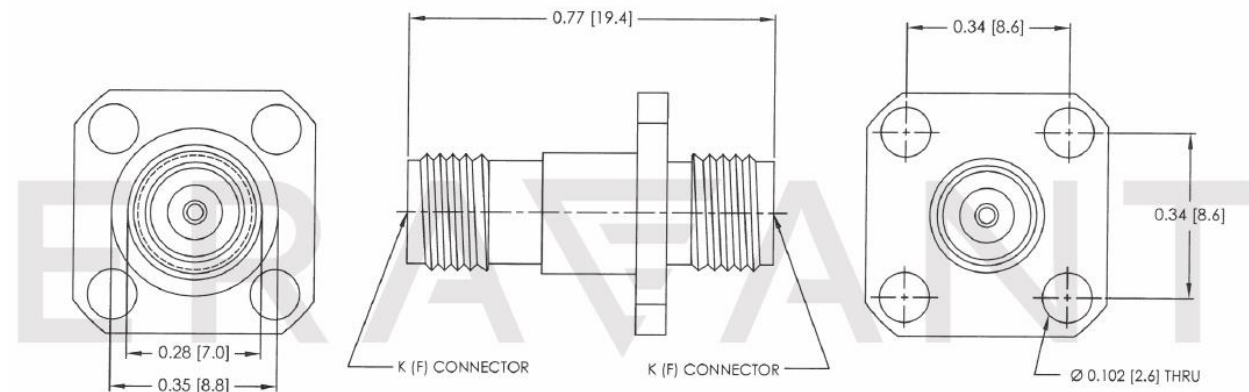
Mechanical Specifications:

Item	Specification
Connector 1 Type	2.92 mm Female
Connector 2 Type	2.92 mm Female
Material (Connector Housing)	Stainless Steel, Cres Alloy
Material (Contact)	Beryllium Copper Alloy
Material (Dielectric)	ULTEM 1000, Kel-F
Finish (Connector Housing)	Passivated
Finish (Contact)	Gold Plated
Weight	0.13 Oz
Length	0.75"
Outline	CT-KFKF-B-S-4



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Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



Note:

- Eravant reserves the right to change the information presented without notice.

Caution:

- Proper torque, 8.0 ± 0.15 inch-pounds (0.92 ± 0.05 Nm), should be applied. **Eravant torque wrench, model [SCH-08008-S1](#), is highly recommended.**

