

SCT-KFKM-UB-R-V

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

SCT-KFKM-UB-R-V is a 2.92 mm (K) female to 2.92 mm male coaxial adapter with a right angle (90°) that covers the frequency range of DC to 40 GHz. The adapter is specifically designed and manufactured for testing in thermal vacuum environments. The adapter is made with low outgassing materials and includes venting holes on the connector to allow unimpeded air flow during pressurization and depressurization cycles. 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.



Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	DC		40 GHz
Insertion Loss		0.4 dB	
Return Loss		18 dB	
Impedance		50 Ω	
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
Adaptor Body Style	Right Angle
Weight	0.2 Oz
Length	0.63" x 0.66"
Outline	CT-KFKM-R-V-LN1

ECCN

EAR99

FEATURES

- Instrumentation Grade
- Low Outgassing
- Vented Connector

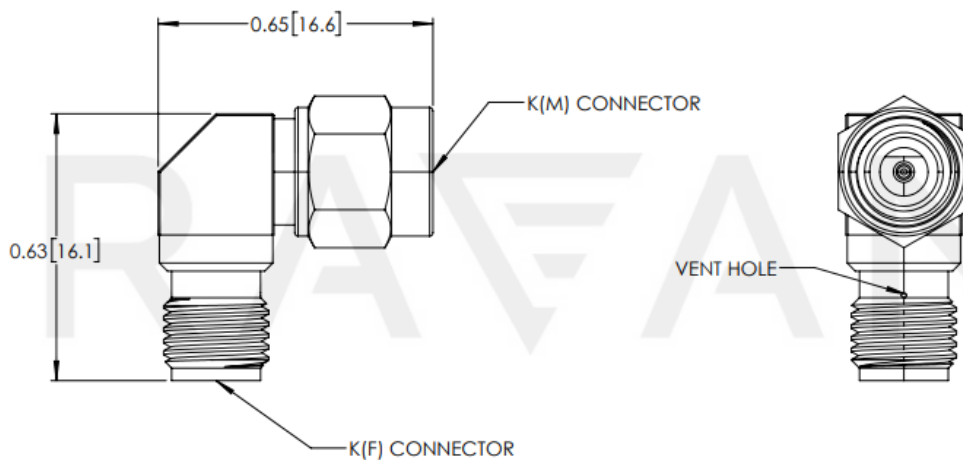
APPLICATIONS

- Test Lab
- Sub-assemblies
- Thermal Vacuum Testing

SUPPLEMENTAL DETAILS



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



NOTE:

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

CAUTION:

- Exceeding absolute maximum ratings shown will damage the device.
- Proper torque should be applied: 8.0 ± 0.15 inch-pounds (0.90 ± 0.02 Nm). Torque wrench model SCH-08008-S1 is highly recommended.