

## SCT-KM1F-UB

## 2.92 mm (M) to 1.0 mm (F) Coaxial Adapter

**SCT-KM1F-UB** is a 2.92 mm (K) male to 1.0 mm female coaxial adapter 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 0.9 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		0.9 dB	
Return Loss		19 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) Male
Connector 2 Type	1.0 mm Female
Body Material	Stainless Steel
Body Finish	Passivated
Contact Material	Beryllium Copper
Insulator Material	PEI
Weight	0.1 Oz
Length	0.68"
Outline	CT-KM1F-LN1

## ECCN

EAR99

## FEATURES

- Instrumentation Grade
- High Return Loss
- Low Insertion Loss

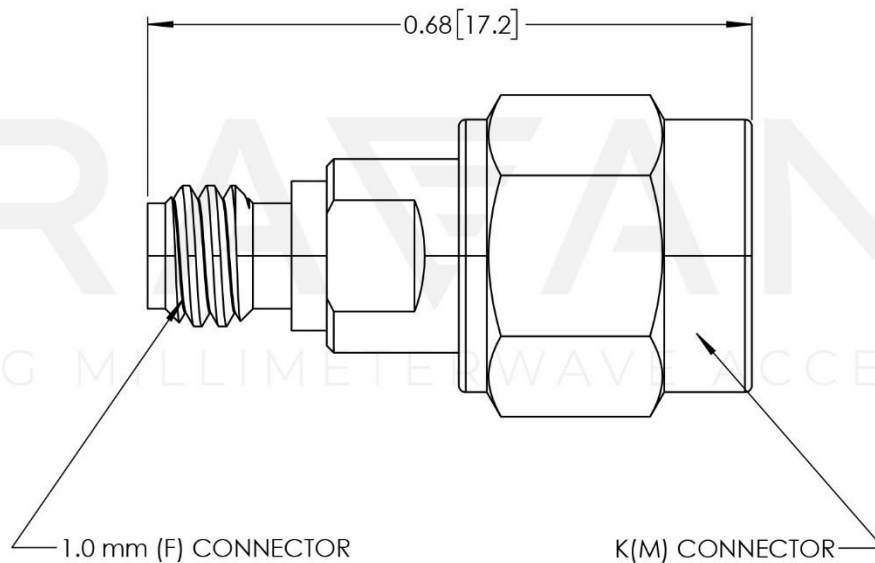
## APPLICATIONS

- Test Lab
- Sub-assemblies

## SUPPLEMENTAL DETAILS



**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 slightly from unit to unit.
- All testing is performed under +25 °C case temperature.
- 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:  $4.0 \pm 0.15$  inch-pounds ( $0.45 \pm 0.02$  Nm). Torque wrench model [SCH-06004-S1](#) is highly recommended.
- Proper torque should be applied:  $8.0 \pm 0.15$  inch-pounds ( $0.90 \pm 0.02$  Nm). Torque wrench model [SCH-08008-S1](#) is highly recommended.