

## 2.4 mm (F) to 2.4 mm (M) Coaxial Adapter

### Description:

**Model SCT-2F2M-U2** is a 2.4 mm female to 2.4 mm male coaxial adapter that covers the frequency range of DC to 50 GHz. This coaxial adapter offers efficient transitioning between the coaxial connectors with a 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
- High Return Loss
- Low Insertion Loss

### Applications:

- Test Lab
- Sub-assemblies

### Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	DC		50 GHz
Return Loss		20 dB	
Impedance		50 $\Omega$	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

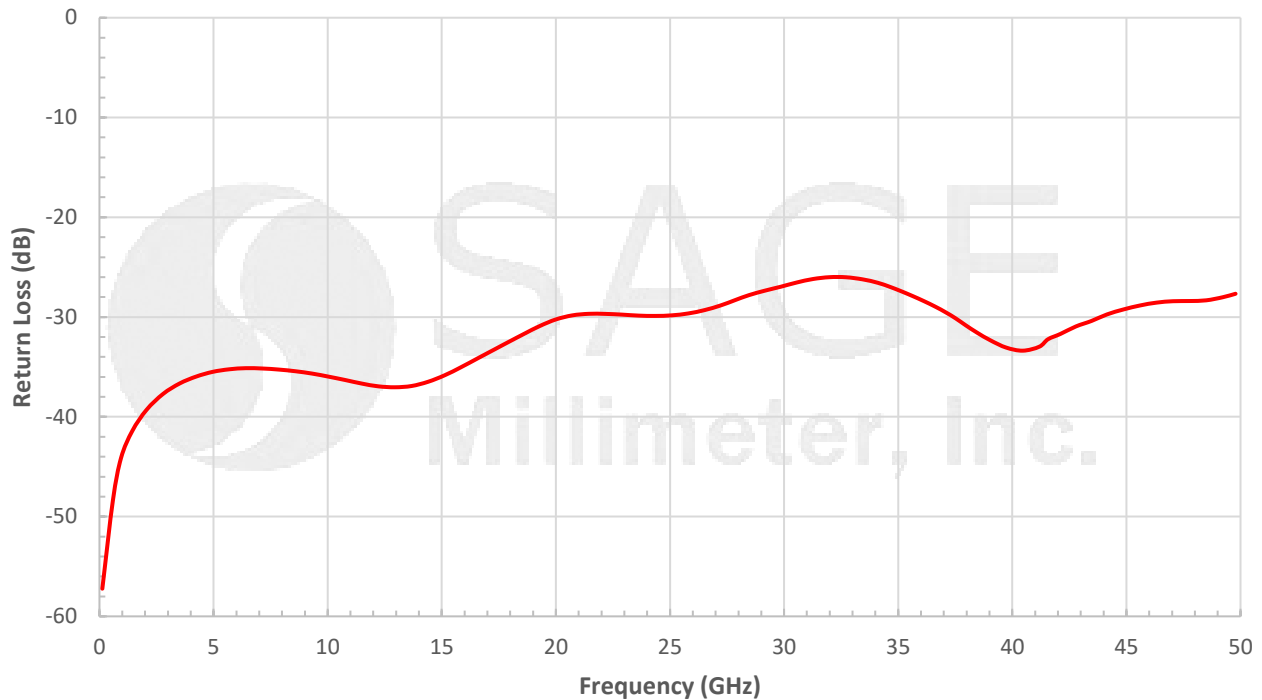
### Mechanical Specifications:

Item	Specification
Connector 1 Type	2.4 mm Female
Connector 2 Type	2.4 mm Male
Material	Stainless Steel
Finish	Passivated
Weight	0.13 Oz
Length	0.79"
Outline	CT-2F2M-CE1

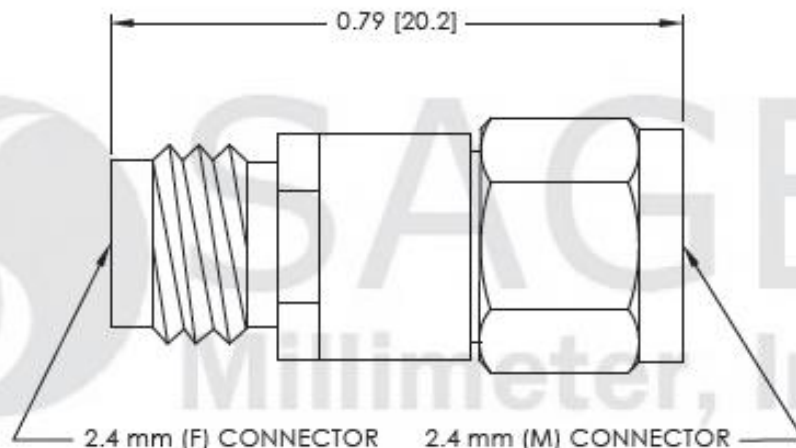


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### Typical Return Loss vs. Frequency



**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, slightly.
- 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-U3, is highly recommended.**



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