



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

### Description:

**Model SCT-2FAF-UB** is a 2.4 mm female to SMPS (G3PO) female coaxial adapter that covers the frequency range of DC to 50 GHz. This coaxial adapter offers efficient transitioning between the coaxial connectors with a high return loss. The impedance of the adapter is 50 Ohms. Other configurations are available under different model numbers.



### Features:

- Instrumentation Grade
- High Return Loss

### Applications:

- Test Lab
- Sub-assemblies

### Electrical Specifications:

| Parameter                 | Minimum                | Typical                | Maximum                |
|---------------------------|------------------------|------------------------|------------------------|
| Frequency                 | DC                     |                        | 50 GHz                 |
| Return Loss               |                        | 17 dB                  |                        |
| Impedance                 |                        | 50 $\Omega$            |                        |
| Specification Temperature |                        | +25 $^{\circ}\text{C}$ |                        |
| Operating Temperature     | -40 $^{\circ}\text{C}$ |                        | +85 $^{\circ}\text{C}$ |

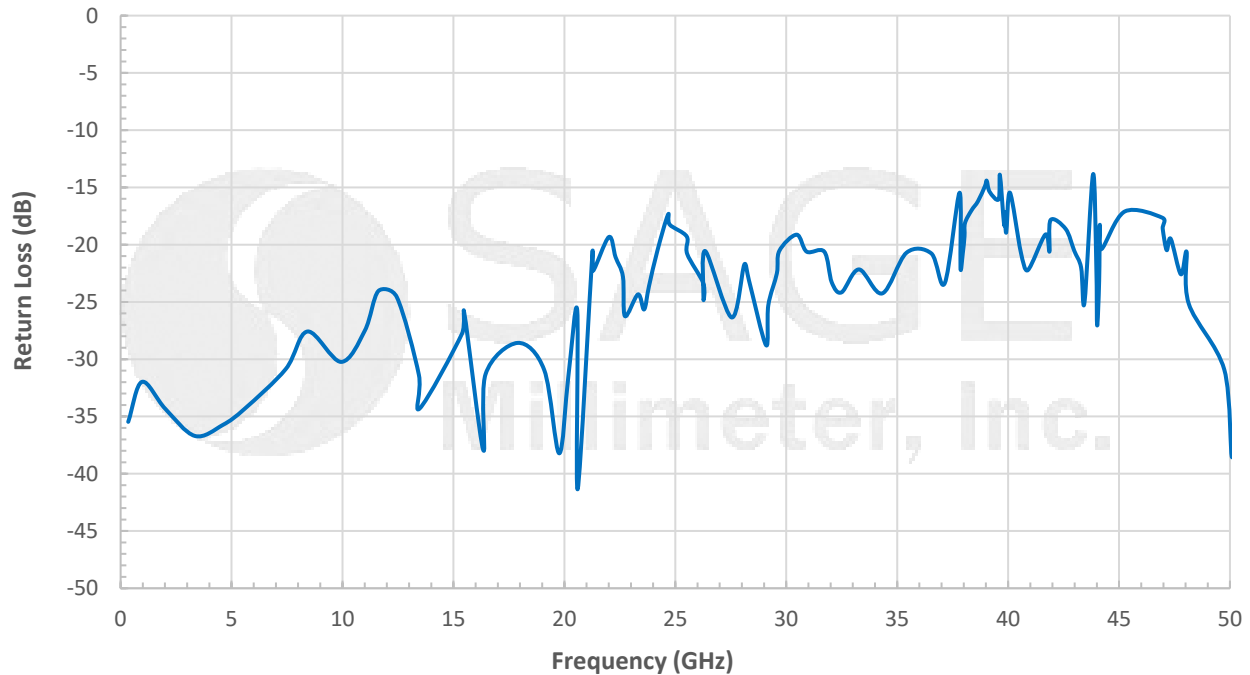
### Mechanical Specifications:

| Item               | Specification       |
|--------------------|---------------------|
| Connector 1 Type   | 2.4 mm Female       |
| Connector 2 Type   | SMPS Female         |
| Body Material      | Stainless Steel     |
| Body Finish        | Passivated          |
| Contact Material   | Beryllium Copper    |
| Insulator Material | PEI                 |
| Weight             | 0.09 Oz (2.5 Grams) |
| Length             | 0.65"               |
| Outline            | CT-2FAF-LN1         |

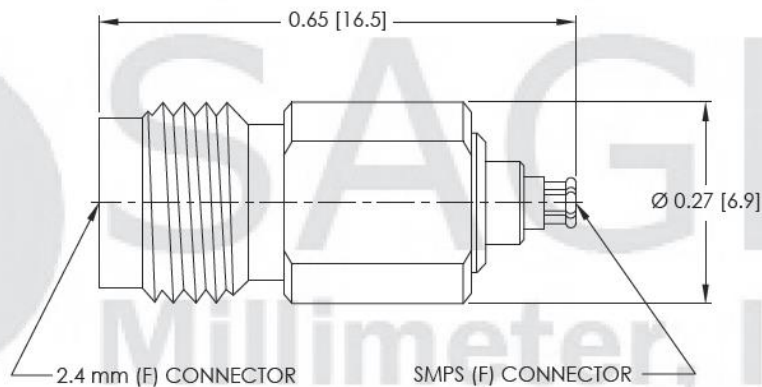


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### Typical Return Loss vs. Frequency



**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 ± 0.15 inch-pounds (0.90 ± 0.02 Nm), should be applied. **SAGE Millimeter torque wrench, model SCH-08008-S1, is highly recommended.**

