



1 mm (F) to 1 mm (F) Coaxial Adapter, Thermal Vacuum Safe

Description:

Model SCT-1F1F-UB-V is a 1 mm female to 1 mm female coaxial adapter that covers the frequency range of DC to 110 GHz. The adapter is specifically designed and manufactured for testing in thermal vacuum environments. The adapter is made with low outgassing materials and includes a venting hole on the connector to allow unimpeded air flow during pressurization and depressurization cycles. The adapter is impedance matched at 50 Ohms and offers a typical insertion loss of 0.6 dB. Other configurations, such as panel mount adapters, are available under different model numbers.



Features:

- Instrumentation Grade
- Low Outgassing
- Vented Connector

Applications:

- Test Lab
- Sub-assemblies
- Thermal Vacuum Testing

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	DC		110 GHz
Insertion Loss		0.6 dB	
Return Loss		14 dB	
Impedance		50 Ω	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

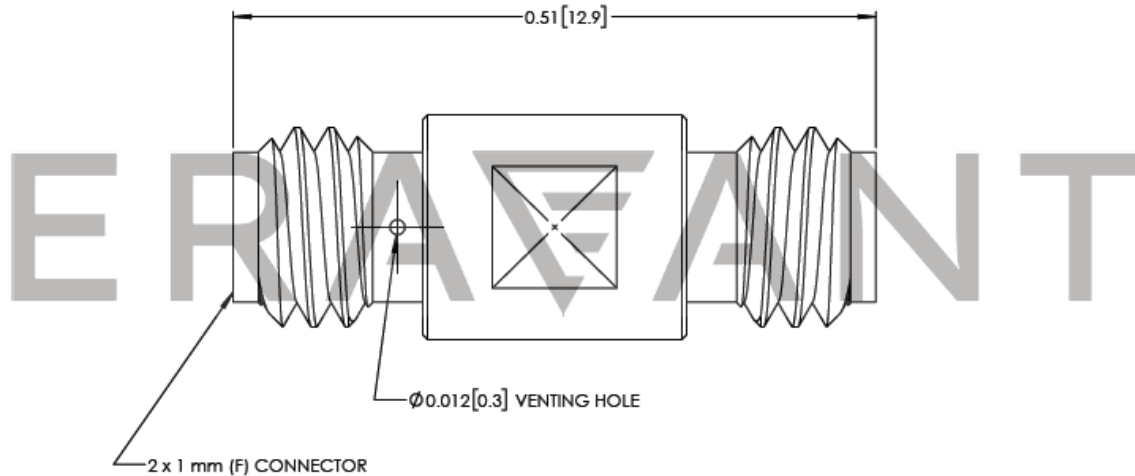
Mechanical Specifications:

Item	Specification
Body Material	Stainless Steel
Connector Contact Material	Beryllium Copper
Connector 1 Type	1 mm Female
Connector 2 Type	1 mm Female
Weight	0.1 Oz
Length	0.51"
Outline	CT-1F1F-LN1-V



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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, 4.0 ± 0.15 inch-pounds (0.45 ± 0.02 Nm), should be used. **Eravant torque wrench, model SCH-06004-S1, is highly recommended.**

