

## 1 mm Coaxial Attenuator, 9 dB Attenuation

### Description:

**Model SCA-09-1M1F-UB** is a 9 dB coaxial attenuator that is used in millimeterwave systems and operates from DC to 110 GHz. While the attenuator is designed and fabricated for full 1 mm coaxial band applications, the attenuation value of this model will have a wide range due its broadband coverage. Various attenuation values are available under different model numbers.



### Features:

- Broadband Coverage
- Low Cost

### Applications:

- Test Lab
- Instrumentation
- System Integration

### Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	DC		110 GHz
Attenuation		9 dB	
Flatness			± 2.0 dB
Return Loss	12 dB	14 dB	
Power Handling			1 W (CW)
Impedance		50 Ω	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

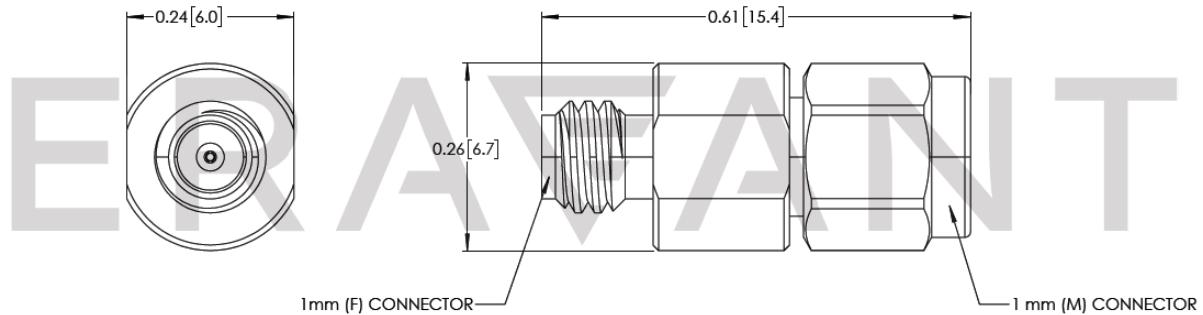
### Mechanical Specifications:

Item	Specification
Connector 1 Type	1 mm Male
Connector 2 Type	1 mm Female
Body Material	Stainless Steel
Connector Pin Material	Beryllium Copper
Insulator Material	PEI
Outline	CA-1-LN1



## 1 mm Coaxial Attenuator, 9 dB Attenuation

**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.
- All testing was 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,  $4.0 \pm 0.15$  inch-pounds ( $0.45 \pm 0.02$  Nm), should be used. **Eravant torque wrench, model SCH-06004-S1, is highly recommended.**

ERAVANT

