

2.92 mm Coaxial Fixed Attenuator, 10 dB Attenuation

SCA-10-KMKF-SD is a 10 dB coaxial attenuator that is used in millimeterwave systems and operates from DC to 40 GHz. The attenuator has a typical attenuation value of 10 dB across the frequency range. While the attenuator is designed and fabricated for full 2.92 mm coaxial band applications, the attenuation value of this model will have a wide range due to its broadband coverage. Various attenuation values are available under different model numbers.



Electrical Specifications:

| Parameter | Minimum | Typical | Maximum |
|---------------------------|---------|---------|----------|
| Frequency Range | DC | | 40 GHz |
| Attenuation | | 10 dB | |
| Attenuation Accuracy | | ±0.6 dB | |
| Return Loss | | 19 dB | |
| Power Handling | | | 2 W (CW) |
| Impedance | | 50 Ω | |
| 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 | 2.92 mm (K) Female |
| Body Material | Stainless Steel |
| Body Finish | Passivated |
| Connector Pin Material | Beryllium Copper |
| Connector Pin Finish | Gold Plated |
| Insulator Material | PEI |
| Weight | 0.3 Oz |
| Length | 0.68" |
| Outline | CA-K-9 |

ECCN

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FEATURES

- Broadband Coverage
- Low Cost

APPLICATIONS

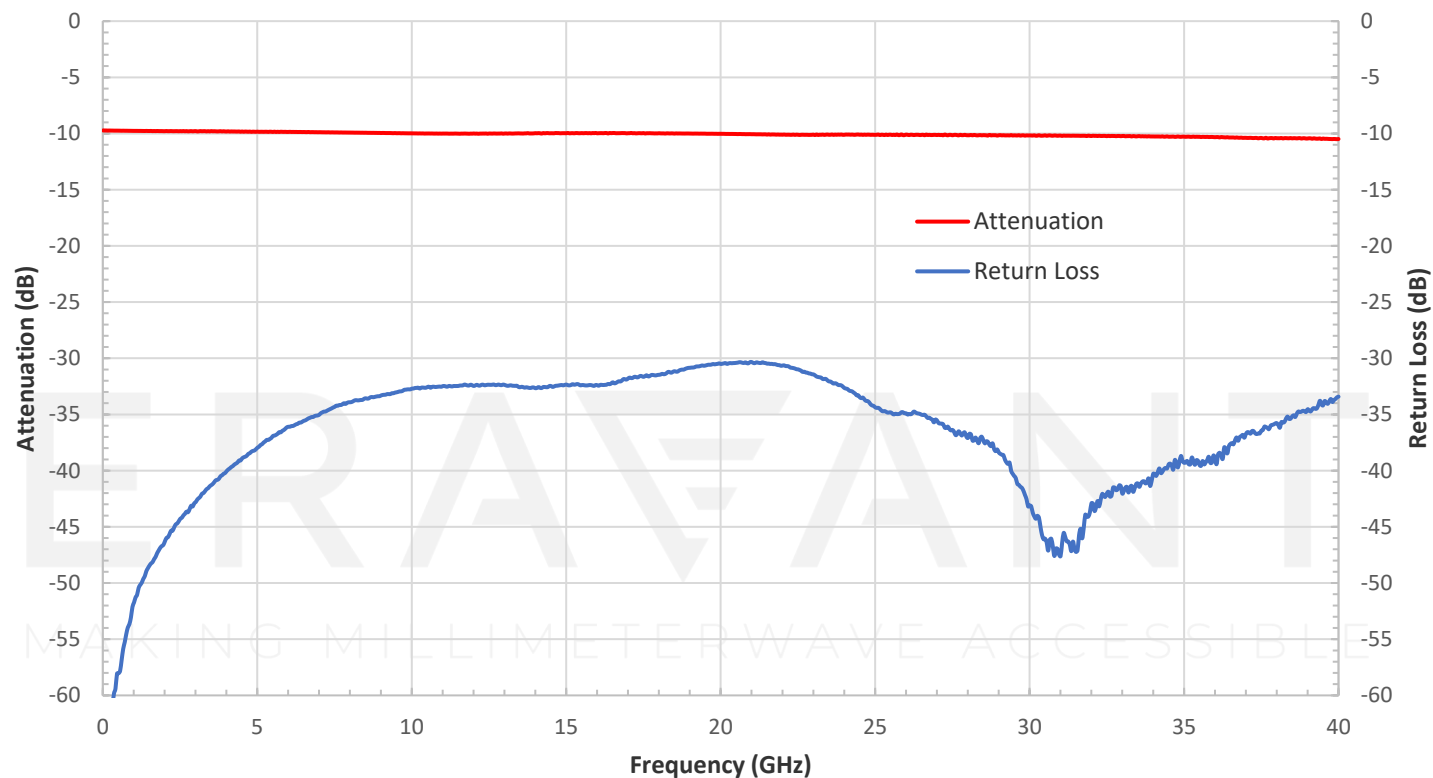
- Test Lab
- Instrumentations
- System Integration

SUPPLEMENTAL DETAILS

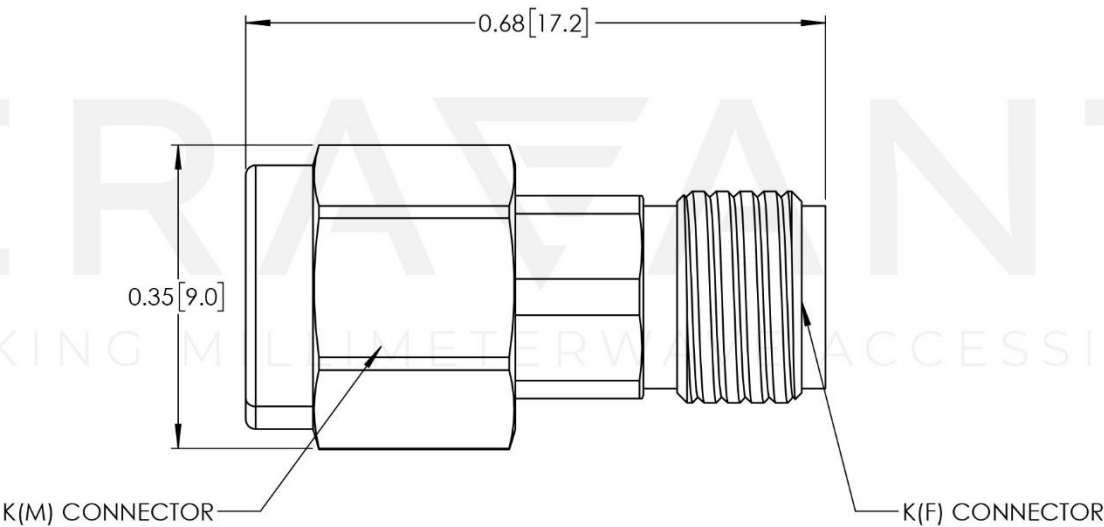


SCA-10-KMKF-SD

Typical Performance vs. Frequency



Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



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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: 8.0 ± 0.15 inch-pounds (0.90 ± 0.02 Nm). Torque wrench model SCH-08008-S1 is highly recommended.

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