



U-Band Fixed Attenuator, 20 dB, 10 Watts

Description:

Model STA-20-19-FS-40 is a 10 watt fixed attenuator that is used in millimeterwave systems and operates from 40 to 60 GHz. The attenuator has a nominal fixed attenuation value of 20 dB across the entire U band. The attenuator is uniquely designed and fabricated for full waveguide band applications and displays an extremely flat frequency response across the full bandwidth. Various attenuation values are available under different model numbers.



Features:

- Full Band Coverage
- Low Cost

Applications:

- Test Lab
- Instrumentations
- System Integration

Electrical Specifications:

| Parameter | Minimum | Typical | Maximum |
|---------------------------|---------|-----------|-----------|
| Frequency | 40 GHz | | 60 GHz |
| Attenuation | | 20 dB | |
| Return Loss | | 14 dB | |
| Power Handling | | 10 W (CW) | 12 W (CW) |
| Specification Temperature | | +25 °C | |
| Operating Temperature | -40 °C | | +85 °C |

Mechanical Specifications:

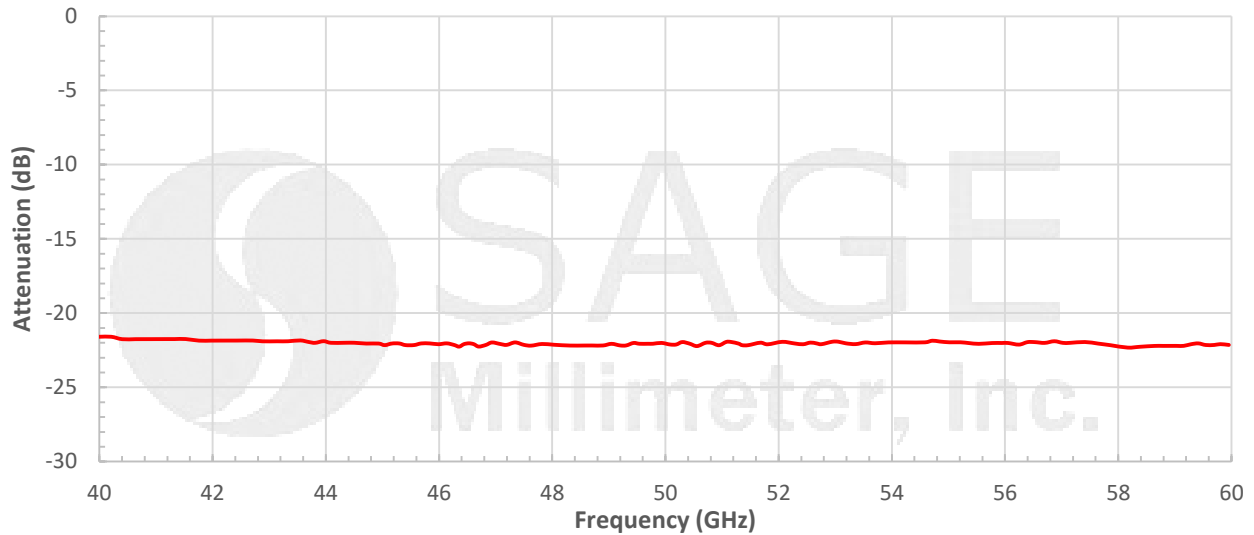
| Item | Specification |
|------------------|--|
| Input Port | WR-19 Waveguide with UG-383/U-M Flange |
| Output Port | WR-19 Waveguide with UG-383/U-M Flange |
| Setting | Fixed |
| Finish | Gold Plated |
| Weight | 9.0 Oz |
| Insertion Length | 5.50" |
| Outline | TA-FU-40 |



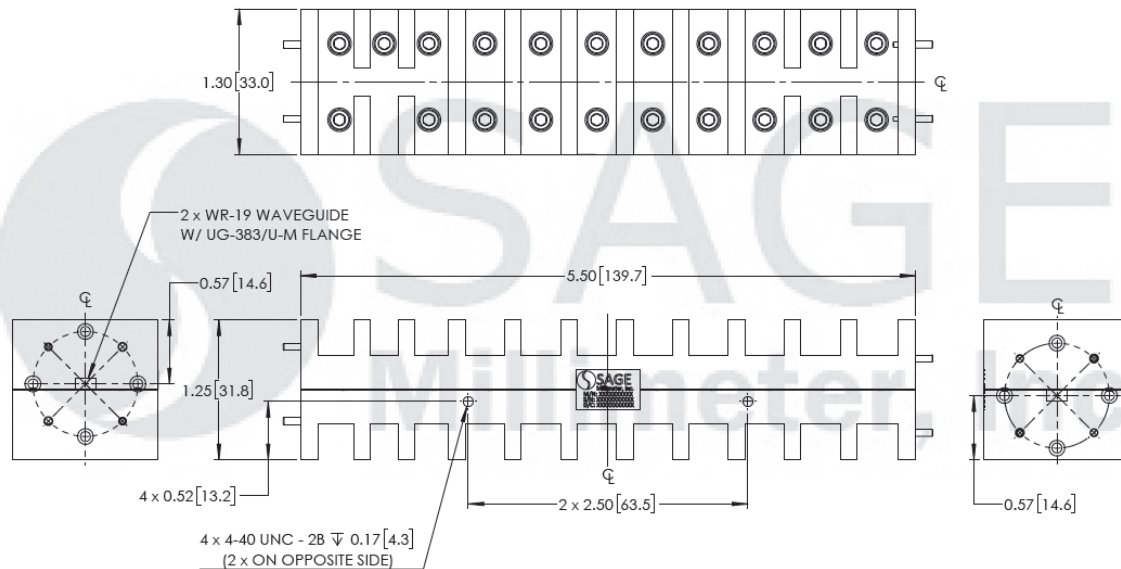


U-Band Fixed Attenuator, 20 dB, 10 Watts

Typical Attenuation 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.
- All testing was performed under +25°C case temperature.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

Caution:

- Exceeding absolute maximum ratings shown will damage the device.
- Any foreign objects in the waveguide will cause performance degradation and possible device damage.



www.sagemillimeter.com | 3043 Kashiwa Street, Torrance, CA 90505
 Phone: 424-757-0168 | Fax: 424-757-0188 | Email: sales@sagemillimeter.com