

U-Band Level Setting Attenuator

Description:

Model STA-30-19-M2A-WPC is a U band level setting attenuator that covers the frequency range of 40 to 60 GHz. The attenuator has a micrometer dial which allows for repeatable settings. The level setting attenuator is an ideal piece of equipment in waveguide systems where broadband level setting is required. The attenuator exhibits 0.3 dB typical insertion loss and up to 30 dB nominal attenuation.



Features:

- Full Band Coverage
- Low Cost
- Convenient Level Setting

Applications:

- Test Lab
- Instrumentations
- Manual Test Set

Electrical Specifications:

| Parameter | Minimum | Typical | Maximum |
|---------------------------|---------|-------------|-------------|
| RF Frequency Range | 40 GHz | | 60 GHz |
| Insertion Loss | | 0.3 dB | |
| Attenuation Range | | 30 dB | |
| Return Loss | | 21 dB | |
| Power Handling | | 500 mW (CW) | 750 mW (CW) |
| Specification Temperature | | +25°C | |
| Operating Temperature | -40°C | | +85°C |

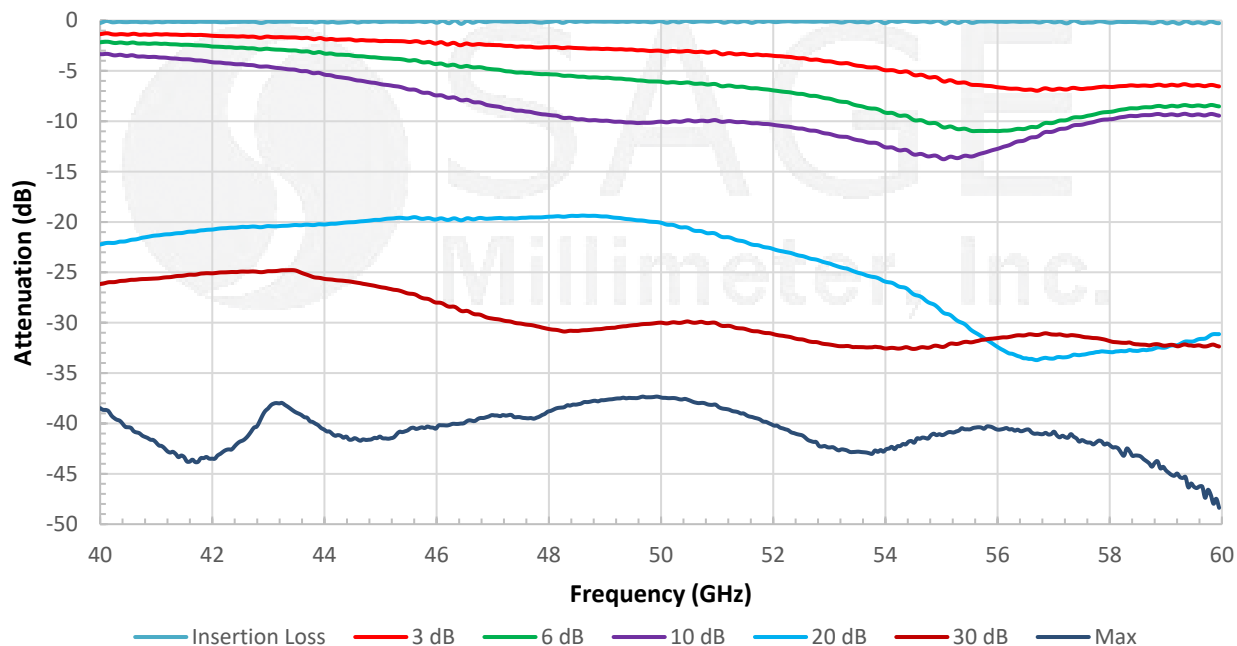
Mechanical Specifications:

| Item | Specification |
|------------------|---|
| RF Input | WR-19 Waveguide with UG-383/U-M Flange |
| RF Output | WR-19 Waveguide with UG-383/U-M Flange |
| Setting | Micrometer Head |
| Insertion Length | 3.00" |
| Finish | Gold Plated Waveguide Faces; Black Painted Body |
| Weight | 4.8 Oz |
| Outline | TA-MU-BX2 |

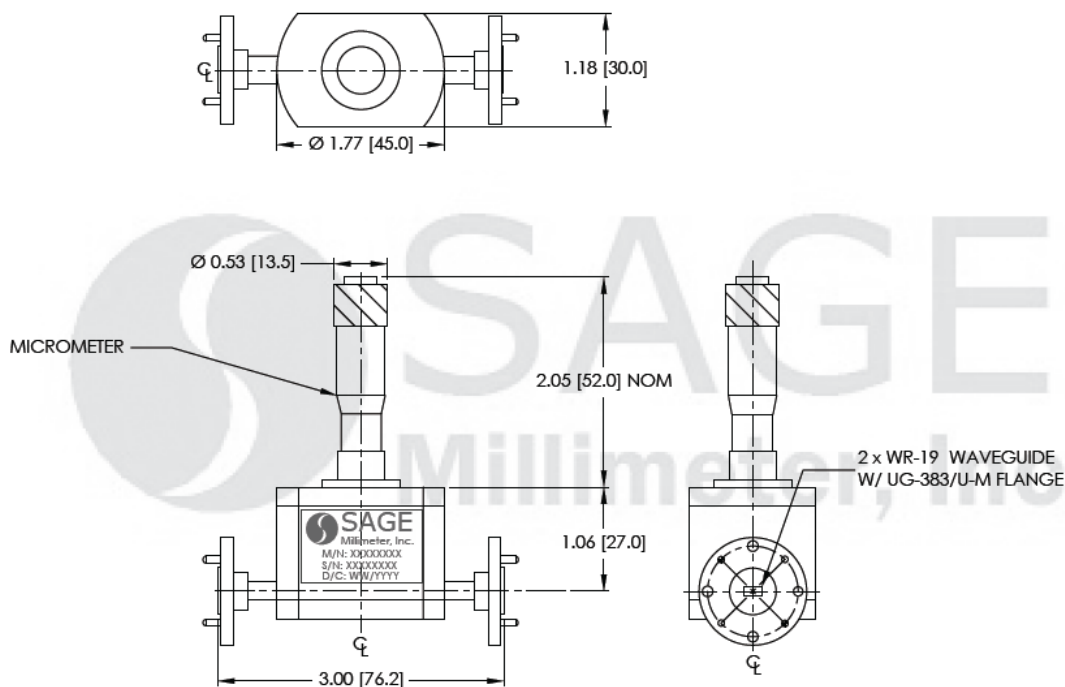


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Typical Performance vs Frequency



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 unit to unit, slightly.
- All testing was performed under +25 °C case temperature.
- Eravant reserves the right to change the information presented without notice.

Caution:

- RF power should never exceed 750 mW.
- Any foreign objects in the waveguide will cause performance degradation and may damage the device.

