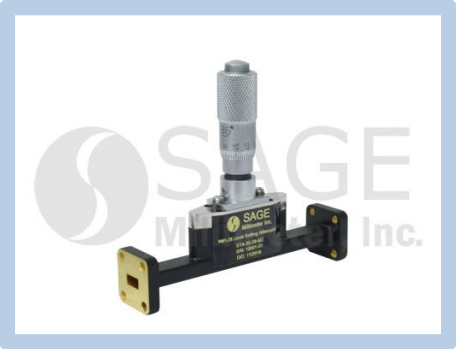
STA-30-34-M2

Rev. 1.0

WR-34 Level Setting Attenuator

Description:



Model STA-30-34-M2 is a WR-34 level setting attenuator that covers the frequency range of 22 to 33 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 0.2 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	22 GHz		33 GHz
Insertion Loss		0.2 dB	
Attenuation Range		30 dB	
Return Loss		21 dB	
Power Handling		1 W (CW)	1.2 W (CW)
Specification Temperature		+25˚C	
Operating Temperature	-40˚C		+85˚C

Mechanical Specifications:

Item	Specification
RF Input	WR-34 Waveguide with UG-1530/U Flange
RF Output	WR-34 Waveguide with UG-1530/U Flange
Setting	Micrometer Head
Insertion Length	2.95”
Finish	Gold Plated Waveguide Faces; Black Painted Body
Weight	2.8 Oz
Outline	TA-M3-BX1

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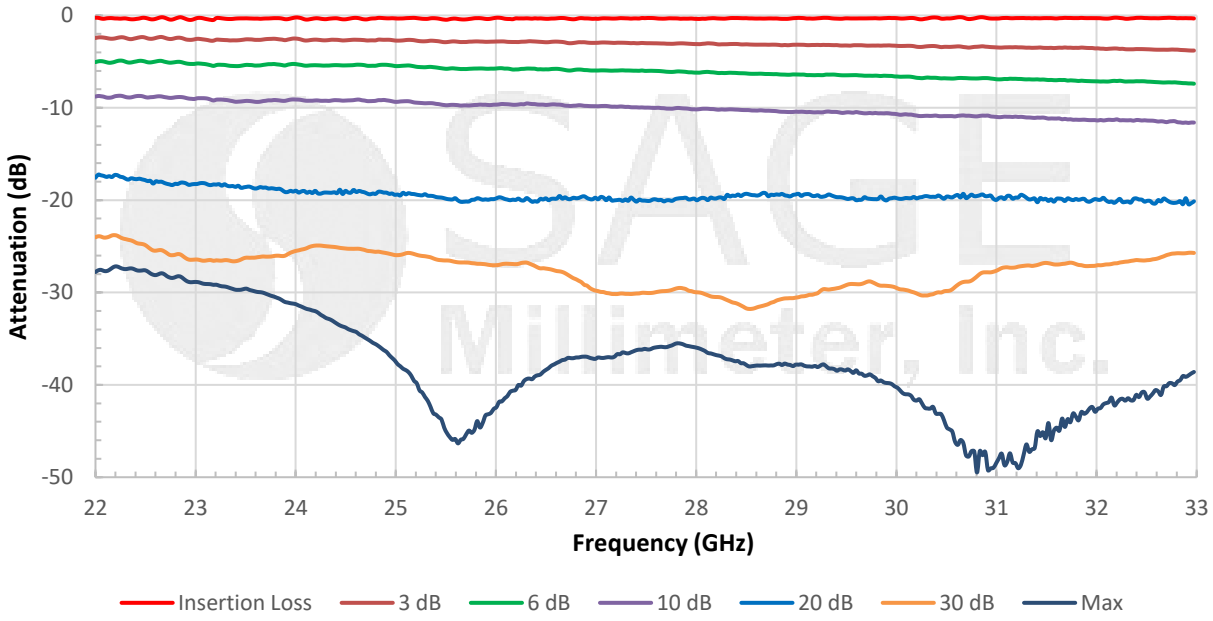
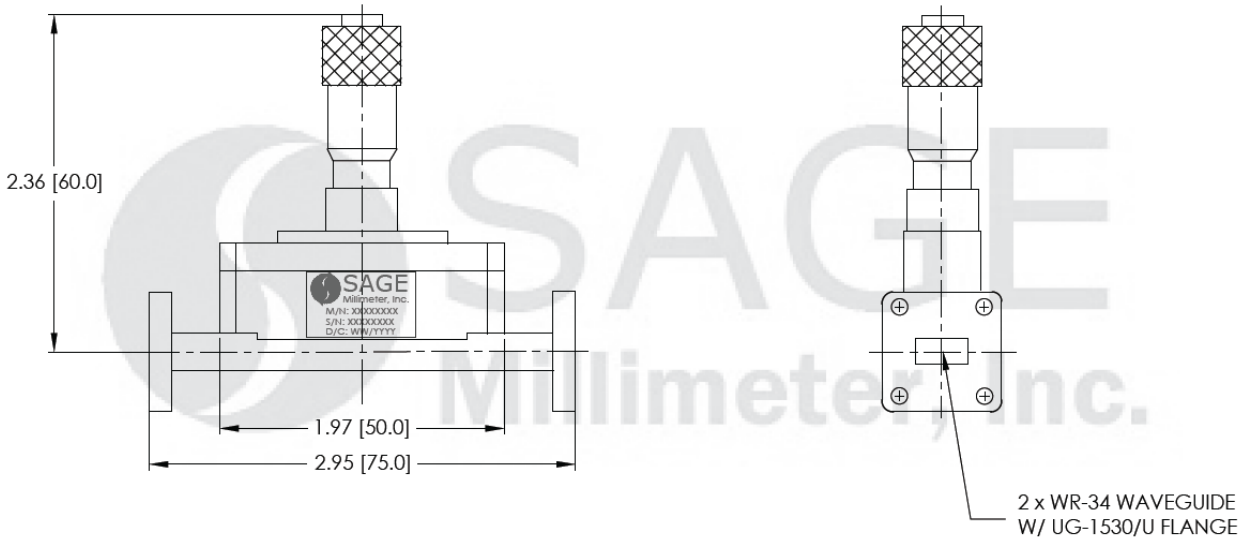
Typical Performance vs Frequency



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

Caution:

- RF power should never exceed 1.2 W.
- Any foreign objects in the waveguide will cause performance degradation and may damage the device.

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