

STA-30-22-M2-WPC

Q-Band Level Setting Attenuator

STA-30-22-M2-WPC is a Q band level setting attenuator that covers the frequency range of 33 to 50 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.



Electrical Specifications:

Parameter	Minimum	Typical	Maximum
RF Frequency Range	33 GHz		50 GHz
Insertion Loss		0.3 dB	
Attenuation Range		30 dB	
Return Loss		21 dB	
Power Handling		0.75 W (CW)	1.0 W (CW)
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

Mechanical Specifications:

Item	Specification
RF Ports	WR-22 Waveguide with UG-383/U Flange
Setting Type	Micrometer Head
Insertion Length	3.50"
Finish	Gold Plated Waveguide Faces; Black Painted Body
Weight	5.0 Oz
Outline	TA-MQ-BX1

ECCN

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FEATURES

- Full Band Coverage
- Low Cost
- Convenient Level Setting

APPLICATIONS

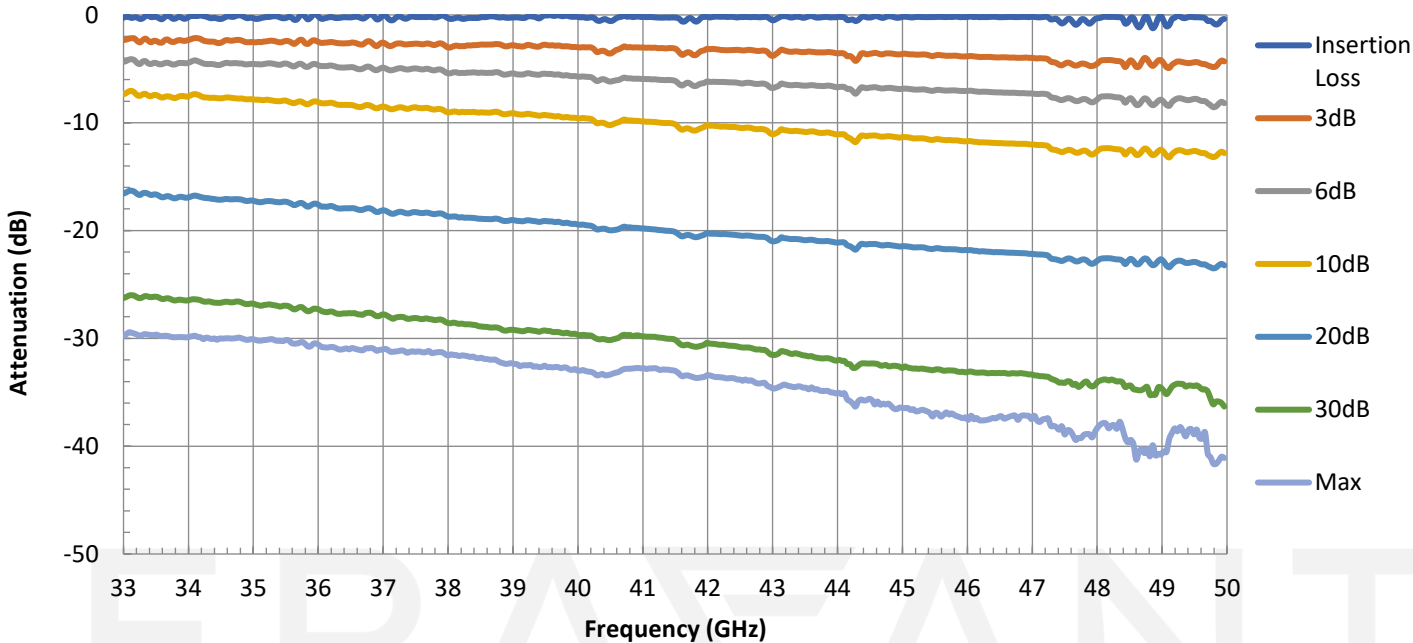
- Test Lab
- Instrumentations
- Manual Test Set

SUPPLEMENTAL DETAILS

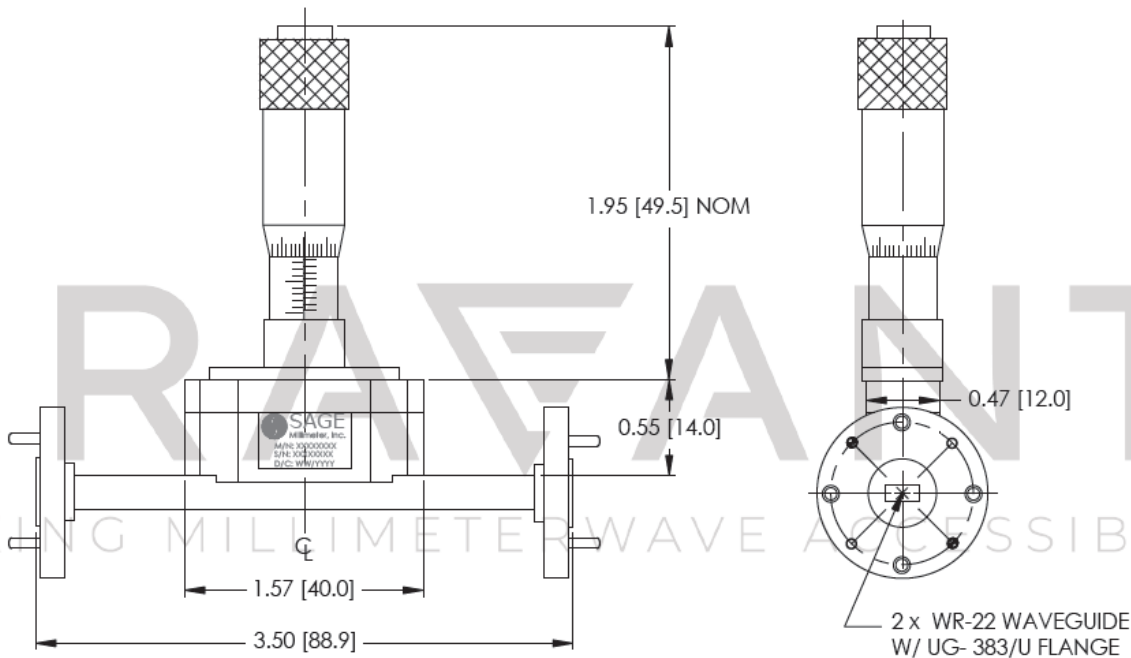


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Typical Attenuation vs. Frequency



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



NOTE:

- On condition that test data is provided it is collected from a sample lot. Actual data may vary slightly from unit to unit. All testing is performed under +25 °C room temperature.
- Eravant reserves the right to change the information presented without notice.

CAUTION:

- RF power should never exceed 1,000 mW.
- Any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.
- For 1 mm connectors proper torque should be applied: 4.0 ± 0.15 inch-pounds (0.45 ± 0.02 Nm). Torque wrench model SCH-06004-S1 is highly recommended.
- For 1.35 mm, 1.85 mm, 2.4 mm, 2.92 mm, and SMA connectors 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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