STA-10-12-F1-C-1.2-NAC

E-Band Fixed Attenuator, 10 dB, Insertion Length 1.2”, Non Anti-Cocking

STA-10-12-F1-C-1.2-NAC is a compact fixed attenuator with insertion length of 1.2”. The attenuator is used in millimeterwave systems and operates from 60 to 90 GHz. The attenuator has a fixed attenuation value of 10 dB at the center frequency, 75 GHz. While the attenuator is designed and fabricated for full waveguide band applications, the attenuation value of this model does show a minor slope within the band due to its distinct mechanical configuration. Various attenuation values are available under different model numbers.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	60 GHz		90 GHz
Attenuation @ 75 GHz		10 dB	
Return Loss		20 dB	
Power Handling			0.5 W(CW)
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

Mechanical Specifications:

Item	Specification
RF Ports	WR-12 Waveguide with UG-387/U Flange
Setting	Fixed
Material	Aluminum
Finish	Gold Plated
Weight	0.4 Oz
Insertion Length	1.2”
Outline	TA-FE-1.2

ECCN

EAR99

FEATURES

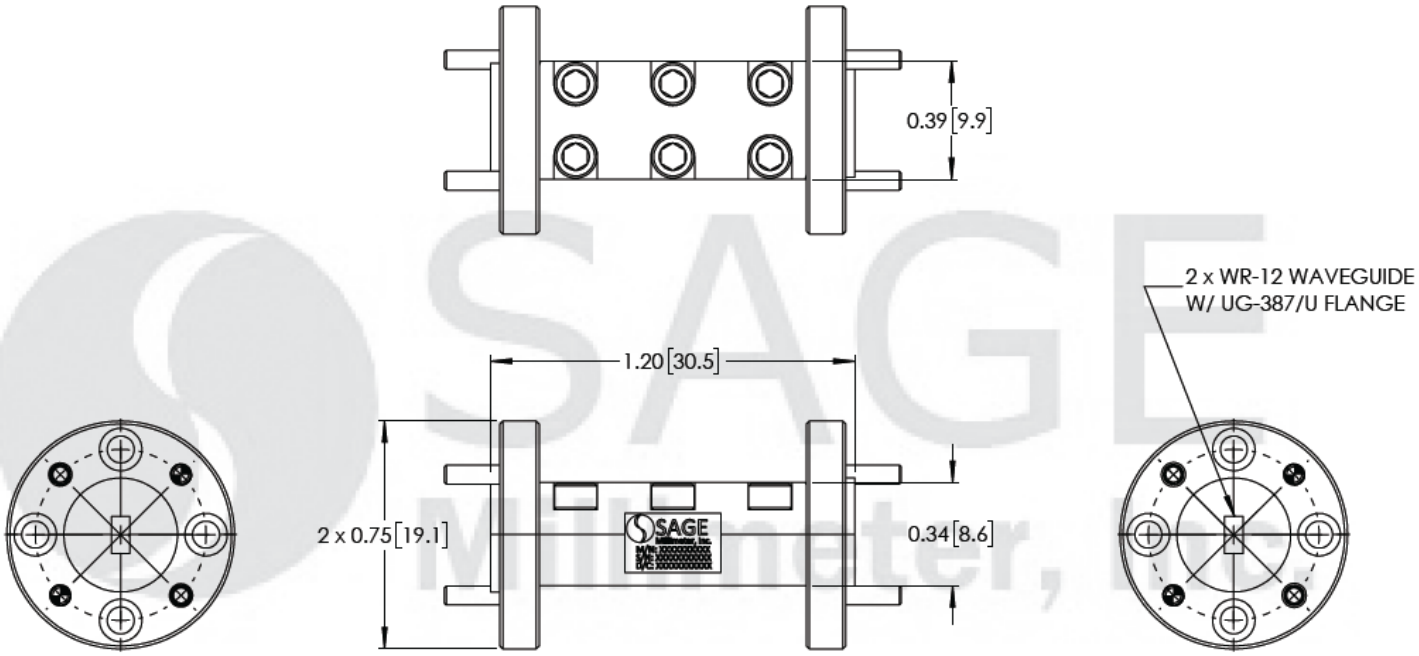
- Full Band Coverage
- Low Cost
- Accurate Attenuation Value at Center Frequency
- Compact Design

APPLICATIONS

- Test Lab
- Instrumentations
- System Integration

SUPPLEMENTAL DETAILS

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 case temperature.
- Eravant reserves the right to change the information presented without notice.
- Other mechanical configurations are available under different model numbers.

CAUTION:

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