

## STA-03-12-F1-C-1.2-NAC

### E-Band Fixed Attenuator, 3 dB, Insertion Length 1.2", Non Anti-Cocking

**STA-03-12-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 3 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      |         | 3 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           | 0.38 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

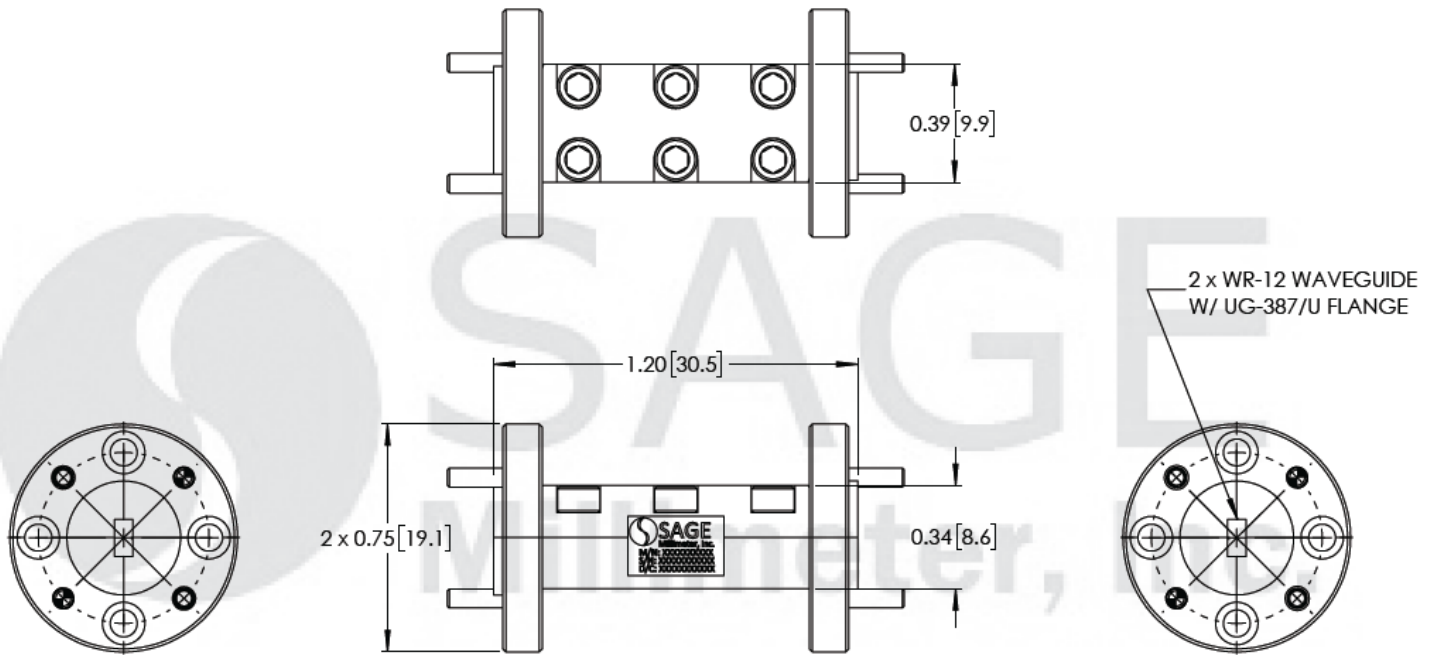
- Test Lab
- Instrumentations
- System Integration

#### SUPPLEMENTAL DETAILS



## STA-03-12-F1-C-1.2-NAC

**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.