

## STA-30-28-F2

### Ka-Band Fixed Attenuator, 30 dB

**STA-30-28-F2** is a 30 dB fixed attenuator that is used in millimeterwave systems and operates from 26.5 to 40 GHz. The attenuator has a fixed attenuation value of 30 dB at center frequency, 33.25 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
RF Frequency Range	26.5 GHz		40.0 GHz
Attenuation @ 33.25 GHz		30.0 dB	
VSWR			1.15:1
Power Handling		0.75 W	1.0 W
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

### Mechanical Specifications:

Item	Specification
RF Input	WR-28 Waveguide with UG-599/U Flange
RF Output	WR-28 Waveguide with UG-599/ U Flange
Setting Type	Fixed
Insertion Length	3.50"
Finish	Gold Plated Waveguide Faces; Black Painted Body
Weight	3.0 Oz
Outline	TA-FA-BX1

#### ECCN

EAR99

#### FEATURES

- Full Band Coverage
- Compact Size
- High Resolution Micrometer
- Low Insertion Loss

#### APPLICATIONS

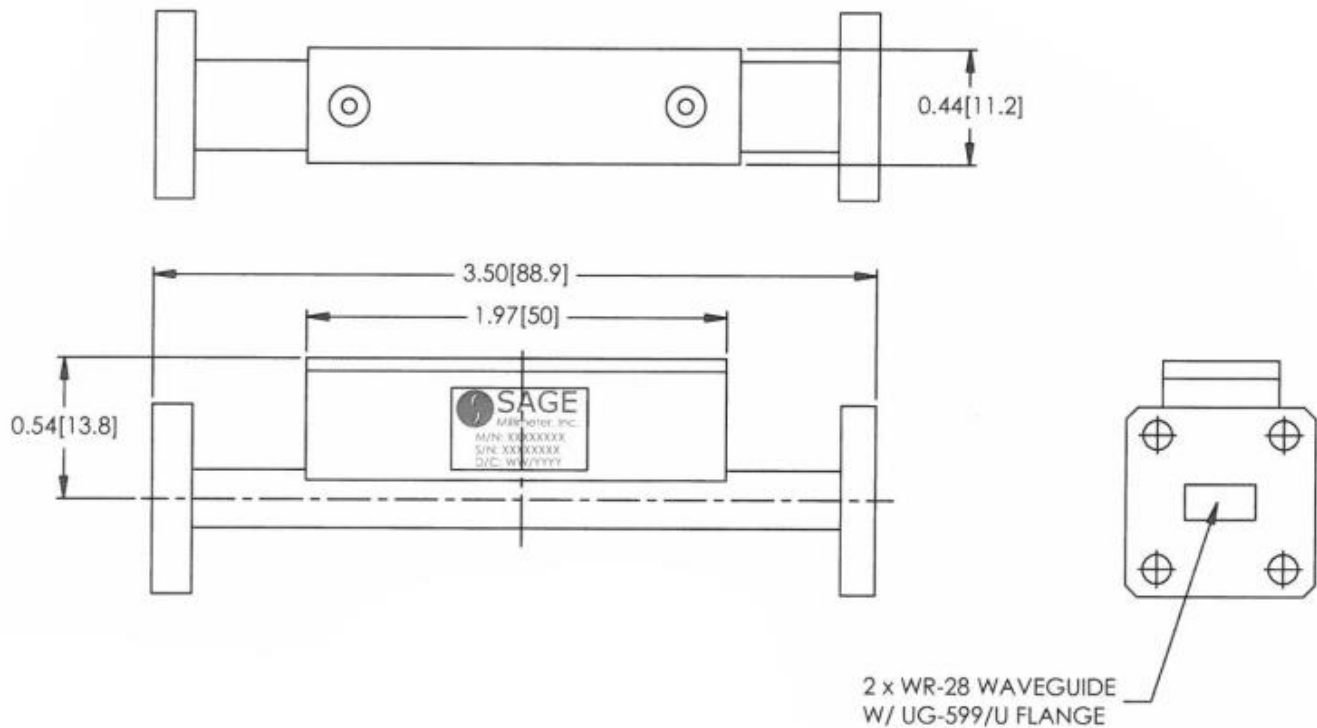
- Test Lab
- Instrumentations
- System Integration

#### SUPPLEMENTAL DETAILS



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**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.
- On condition that simulated test data is provided, actual measured data may slightly vary.
- Eravant reserves the right to change the information presented without notice.

### CAUTION:

- RF power should never exceed 1000 mW.
- If a waveguide is present, any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.

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