

## STA-30-10-F1-C-1.2

### W-band Fixed Attenuator, 30dB, Insertion Length 1.2”

**STA-30-10-F1-C-1.2** is a compact fixed attenuator with insertion length of 1.2”. The attenuator is used in millimeterwave systems and operates from 75 to 110 GHz. The attenuator has a fixed attenuation value of 30 dB at the center frequency, 92.5 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 Range	75 GHz		110 GHz
Attenuation Range @ 92.5		30 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-10 Waveguide with UG-387/U-M Anti-Cocking Flange
Setting Type	Fixed
Insertion Length	1.20”
Material	Aluminum
Finish	Gold Plated
Weight	0.4 Oz
Outline	WF-BW-A

### ECCN

EAR99

### FEATURES

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

### APPLICATIONS

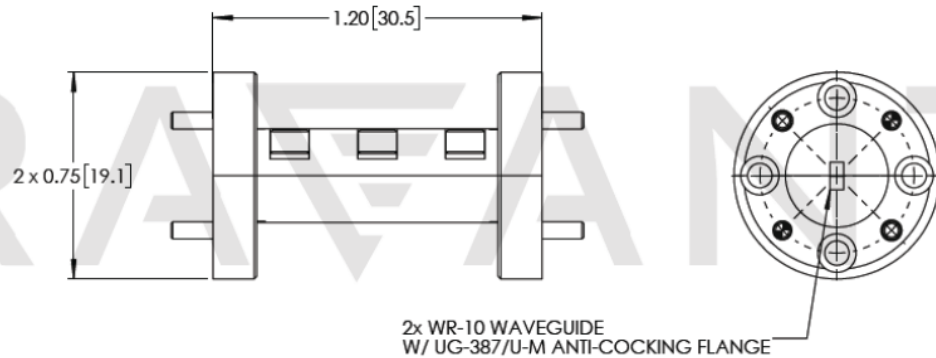
- Test Lab
- Instrumentations
- System Integration

### SUPPLEMENTAL DETAILS



## STA-30-10-F1-C-1.2

**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:**

- Exceeding absolute maximum ratings will damage the device.
- If a waveguide is present, any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.