

STA-03-06-F3

D-Band Fixed Attenuator, 3 dB, Insertion Length 1.60"

STA-03-06-F3 is a 3 dB fixed attenuator that is used in millimeterwave systems and operates from 110 to 170 GHz. The attenuator has a fixed attenuation value of 3 dB at the center frequency, 140 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	110 GHz		170 GHz
Attenuation @ 140 GHz		3 dB	
Return Loss		16 dB	
Power Handling			300 mW (CW)
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

Mechanical Specifications:

Item	Specification
RF Ports	WR-06 Waveguide with UG-387/U-M Flange
Setting Type	Fixed
Insertion Length	1.60"
Finish	Gold Plated
Weight	0.9 Oz
Outline	TA-FD-L1

ECCN

EAR99

FEATURES

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

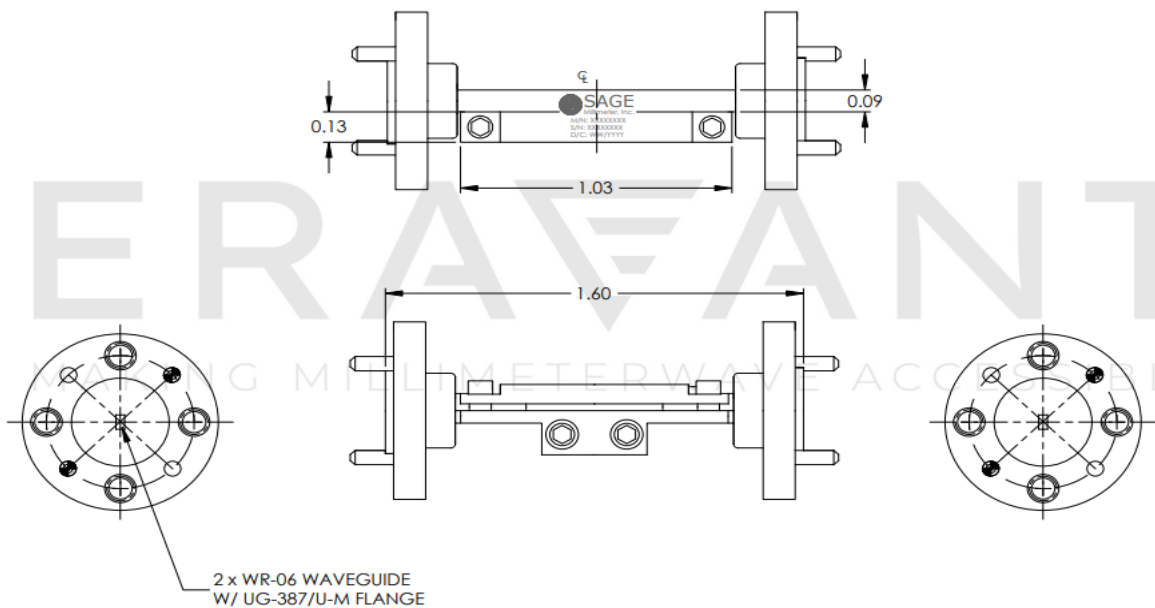
APPLICATIONS

- Test Lab
- Instrumentations
- System Integration

SUPPLEMENTAL DETAILS



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:

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