

STA-20-08-F1-C-30-2.0

F-Band Fixed Attenuator, 20 dB, 1.0 W

STA-20-08-F1-C-30-2.0 is a 1.0 watt fixed attenuator that is used in millimeterwave systems and operates from 90 to 140 GHz. The attenuator has a nominal fixed attenuation value of 20 dB. The attenuator is uniquely designed and fabricated for full waveguide band applications and displays an extremely flat frequency response across the full bandwidth. Various attenuation values are available under different model numbers as STA-XX-08-F1-C-30-2.0, where XX is the desired attenuation value.



Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	90 GHz		140 GHz
Attenuation		20 dB	
Return Loss		18 dB	
Power Handling			1.0 W (CW)
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

Mechanical Specifications:

Item	Specification
RF Ports	WR-08 Waveguide with UG-387/U-M Anti-Cocking Flange
Attenuation Setting	Fixed
Insertion Length	2.0"
Material	Aluminum
Finish	Gold Plated
Outline	TA-FF-A-2.0

ECCN

EAR99

FEATURES

- Full Band Coverage
- Lost Cost

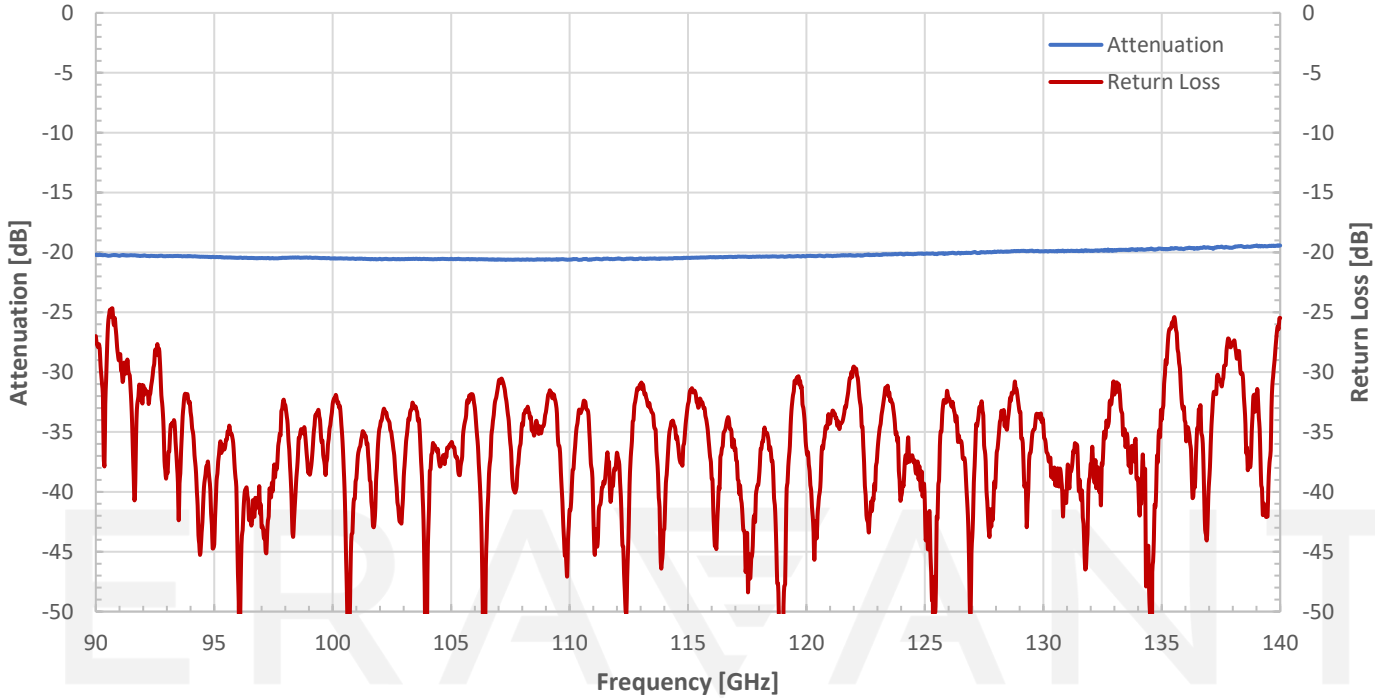
APPLICATIONS

- Test Lab
- Instrumentations
- System Integration

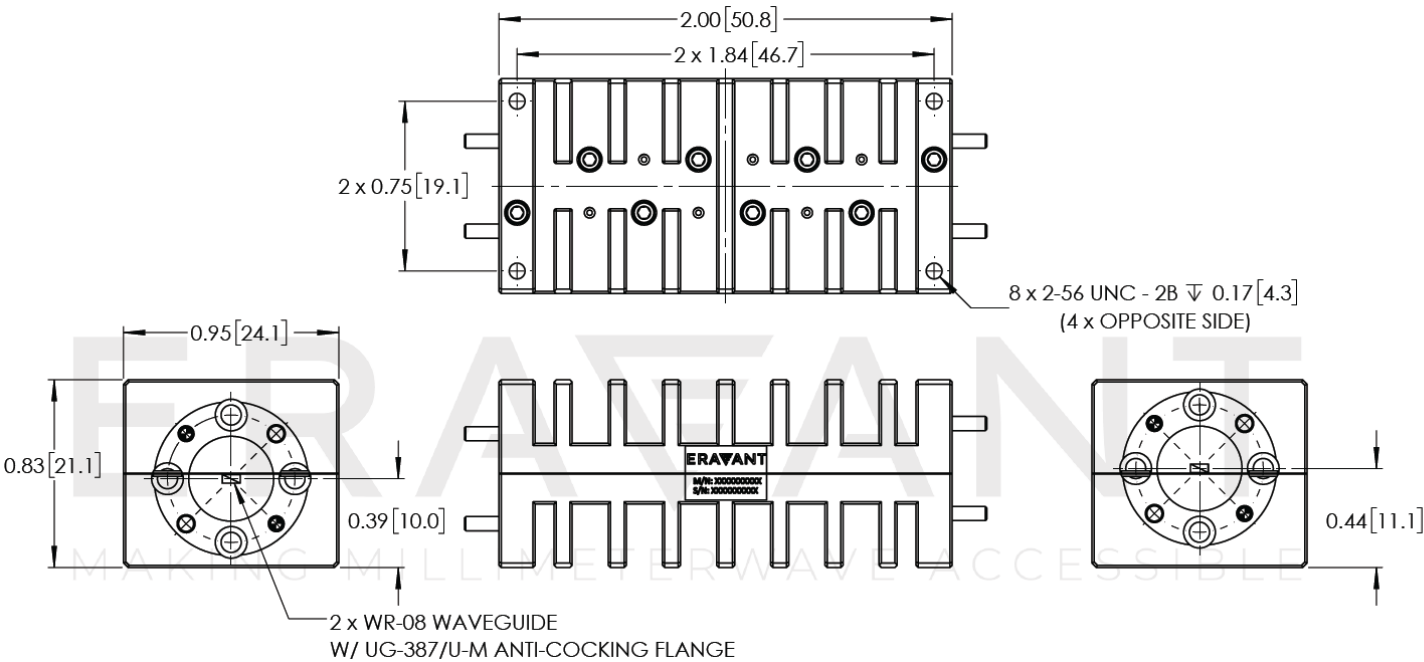
SUPPLEMENTAL DETAILS



Typical Performance vs. Frequency



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.

CAUTION:

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

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