STA-03-28-F1-C-2.0-V

Ka-Band Attenuator, 3 dB, 2.0” Length, Thermal Vacuum Safe

STA-03-28-F1-C-2.0-V is a compact fixed attenuator with an insertion length of 2.0”. The attenuator is used in millimeterwave systems and operates from 26.5 to 40 GHz. The attenuator has a fixed attenuation value of 3 dB at the 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. The attenuator uses only low outgassing materials and adhesives in its construction to ensure that it is safe to use in thermal vacuum environments. The attenuator also includes vent holes to assist in the depressuration of the unit in vacuum environments. Other attenuation values are available under different model numbers as **STA-XX-28-F1-C-2.0-V**, where **XX** is the desired attenuation value.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	26.5 GHz		40 GHz
Attenuation @ 33.25 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
Waveguide Ports	WR-28 Waveguide with UG-599/U Flange
Setting	Fixed
Insertion Length	2.00”
Material	Aluminum 6061-T6 or T651
Finish	Chem Film
Weight	0.8 Oz
Outline	TA-FA-2.0-V

ECCN

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FEATURES

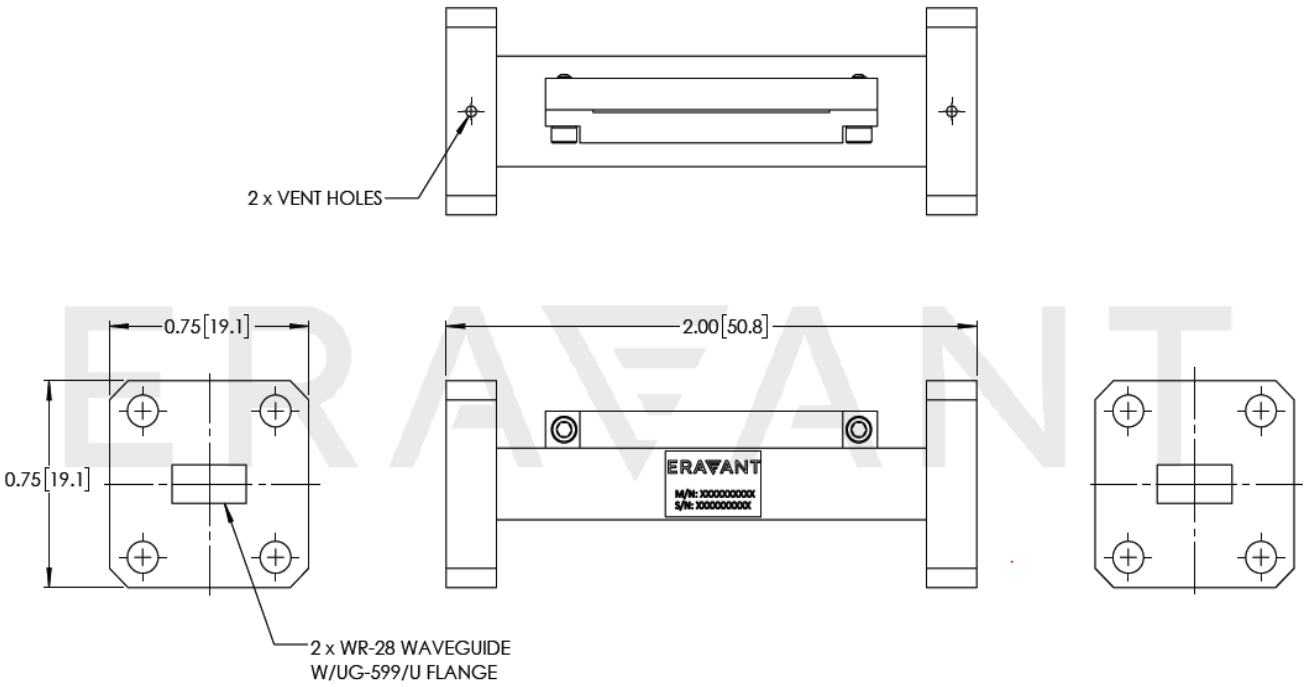
- Full Band Coverage
- Accurate Attenuation Value at Center Frequency
- Compact Design
- Low Outgassing
- Vent Holes

APPLICATIONS

- Thermal Vacuum Testing
- Test Lab
- Instrumentations
- System Integration

SUPPLEMENTAL DETAILS

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.