STA-30-05-M3-2

Rev 1.0

G-Band Level Setting Attenuator

Description:

Model STA-30-05-M3-2 is a G band level setting attenuator that covers the frequency range of 140 to 220 GHz. The attenuator has a micrometer dial which allows for repeatable settings. The level setting attenuator is an ideal piece of equipment in waveguide systems where broadband level setting is required. The attenuator exhibits 1.5 dB nominal insertion loss and up to 30 dB nominal attenuation.

Features:

- Full Band Coverage
- Low Cost
- Convenient Level Setting

Applications:

- Test Lab
- Instrumentations
- Manual Test Set

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	140 GHz		220 GHz
Insertion Loss		1.5 dB	
Attenuation Range		30 dB	
Return Loss		16 dB	
Power Handling			0.3 W (CW)
Specification Temperature		+25 ˚C	
Operating Temperature	-40 ˚C		+85 ˚C

Mechanical Specifications:

Item	Specification
RF Input	WR-05 Waveguide with UG-387/U-M Flange
RF Output	WR-05 Waveguide with UG-387/U-M Flange
Setting	Micrometer Head
Finish	Gold Plated Waveguides
Weight	2.8 Oz
Insertion Length	2.50”
Outline	TA-MG-L1

www.sagemillimeter.com | 3043 Kashiwa Street, Torrance, CA 90505
Phone: 424-757-0168 | Fax: 424-757-0188 | Email: sales@sagemillimeter.com

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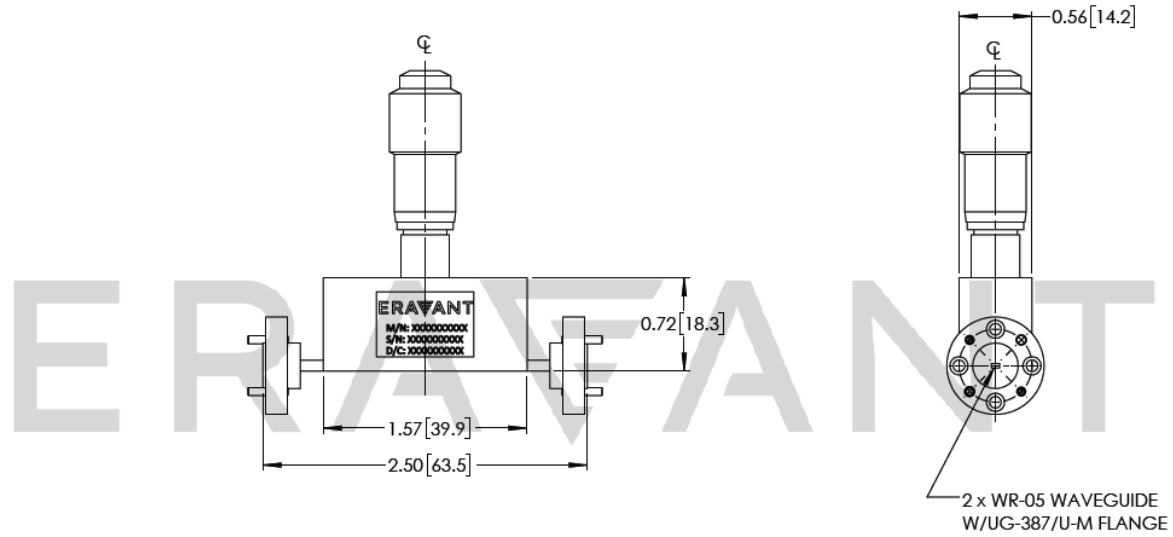
Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



Note:

- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

Caution:

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

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