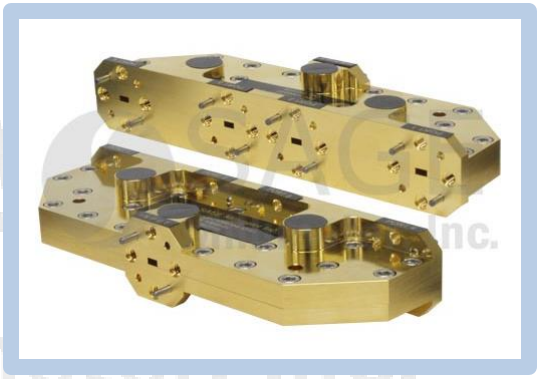
SWP-62386304-12-E1-WP

Rev 1.0

Waveguide Power Divider, E Band, 4 Way, 62 to 86 GHz

Description:

Model SWP-62386304-12-E1-WP is an E band, 4-way power divider with a typical insertion loss of 0.8 dB across the frequency range of 62 to 86 GHz. The divider offers 20 dB isolation and well-balanced ports, which can be used for in-phase power dividing or combining. This power divider comes as an in-line configuration with WR-12 waveguides and UG-387/U flanges at the input and all outputs.



Features:

- Low Insertion Loss
- High Isolation
- Inline Configuration

Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	62 GHz		86 GHz
Insertion Loss		0.8 dB	
Power Imbalance		± 0.4 dB	± 0.5 dB
Port Isolation, Adjacent Port		15 dB	
Port Isolation, Non-adjacent Port		25 dB	
Input/Output VSWR		1.2:1	1.5:1
Specification Temperature		+25˚C	
Operating Temperature	-40˚C		+85˚C

Mechanical Specifications:

Item	Specification
Input	WR-12 Waveguide with UG-387/U Flange
Output	WR-12 Waveguide with UG-387/U Flange
Dimensions	4.30” (W) x 1.30” (L) x 0.75” (H)
Port Separations	1.35” and 0.80”
Material	Aluminum
Finish	Gold Plated
Weight	3.6 Oz
Outline	WP-E4I

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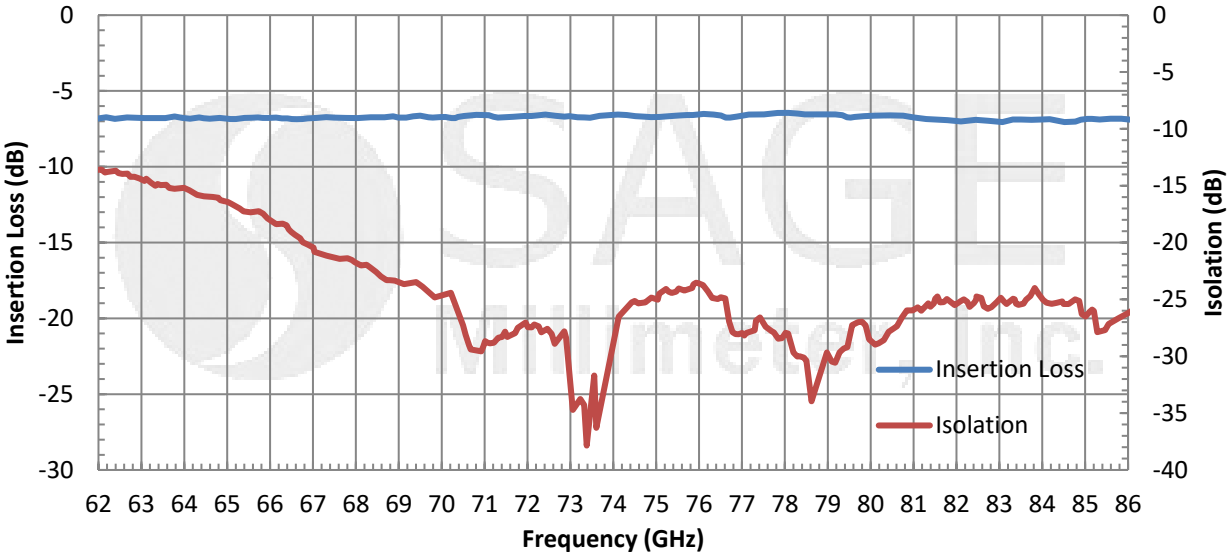
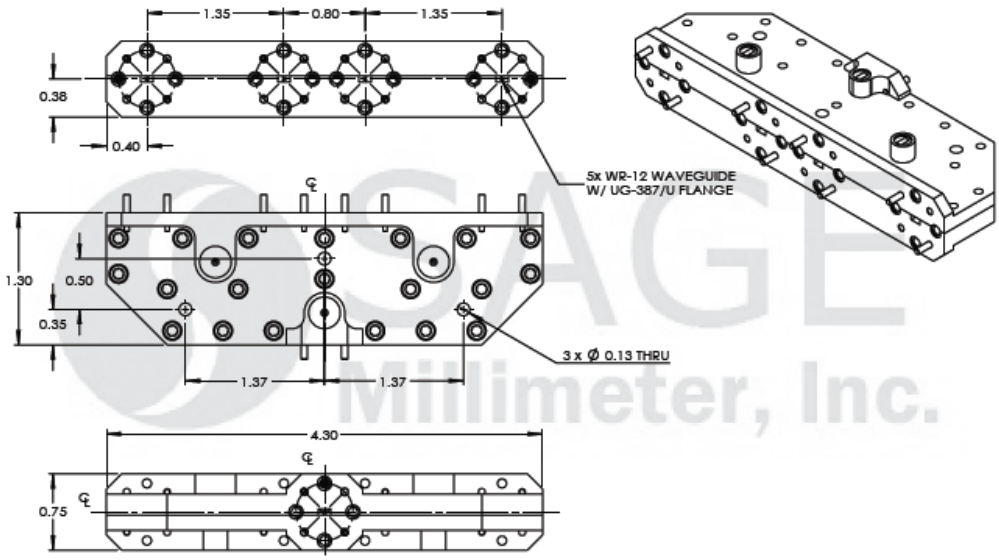
Typical Insertion Loss and Isolation vs. Frequency



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



Note:

- All data are presented using a limited sample lot, actual data may vary unit to unit.
- All testing was performed under +25˚C case temperature.
- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.

Caution:

- Any foreign objects in the waveguide will degrade performance and/or damage the device.

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