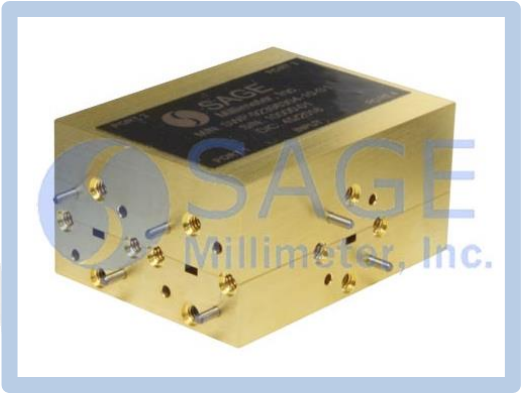
SWP-92396304-10-S1

Rev. 1.0

Waveguide Power Divider, W Band, 4 Way, 92 to 96 GHz

Description:

Model SWP-92396304-10-S1 is a W band, 4-way power divider with a typical insertion loss of 1.0 dB across the frequency range of 92 to 96 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 a right angle configuration with WR-10 waveguides and UG-387/U-M flanges at the input and all outputs.



Features:

- Low Insertion Loss
- High Isolation
- Right Angle Configuration

Applications:

- Test Labs
- Instrumentation
- Sub-assemblies

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	92 GHz		96 GHz
Insertion Loss		1.0 dB	
Power Unbalance		±0.2 dB	
Phase Unbalance		±5°	
Isolation		20 dB	
Input/ Output Return Loss		14 dB	
Specification Temperature		+25 ˚C	
Operating Temperature	-40 ˚C		+85 ˚C

Mechanical Specifications:

Item	Specifications
Input Port	WR-10 Waveguide with UG-387/U-M Flange
Output Ports	WR-10 Waveguide with UG-387/U-M Flange
Material	Aluminum
Finish	Gold Plated
Weight	4.5 Oz
Dimensions	1.00” (W) x 2.00” (L) x 1.50” (H)
Outline	WP-W4

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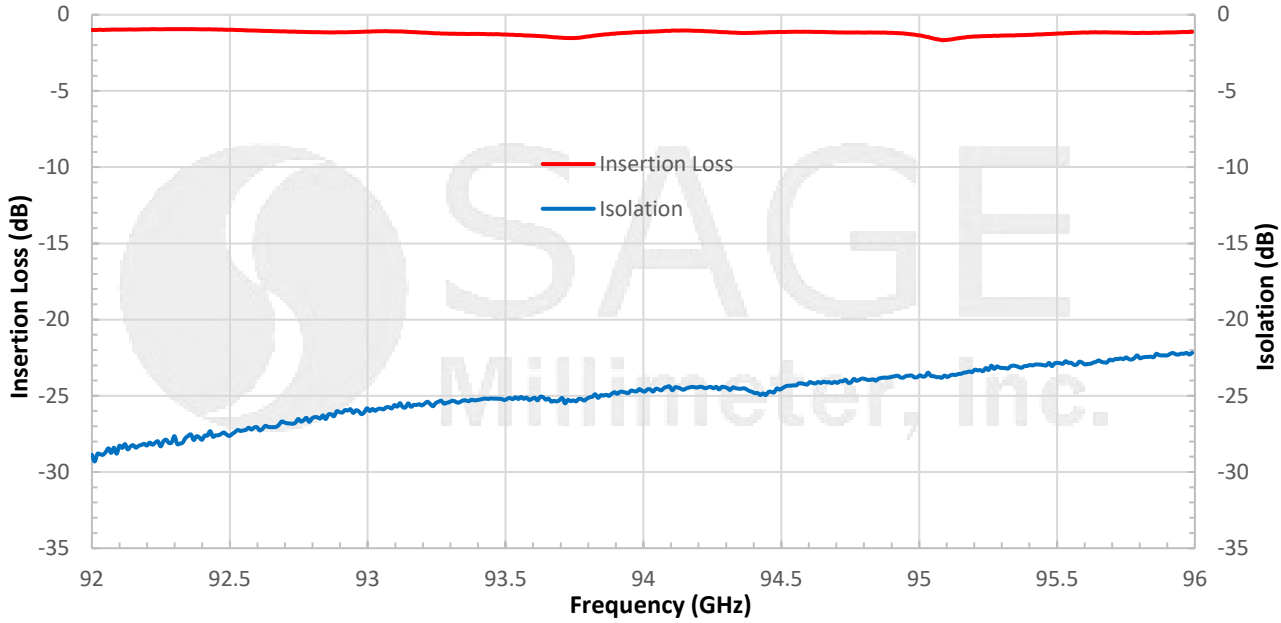
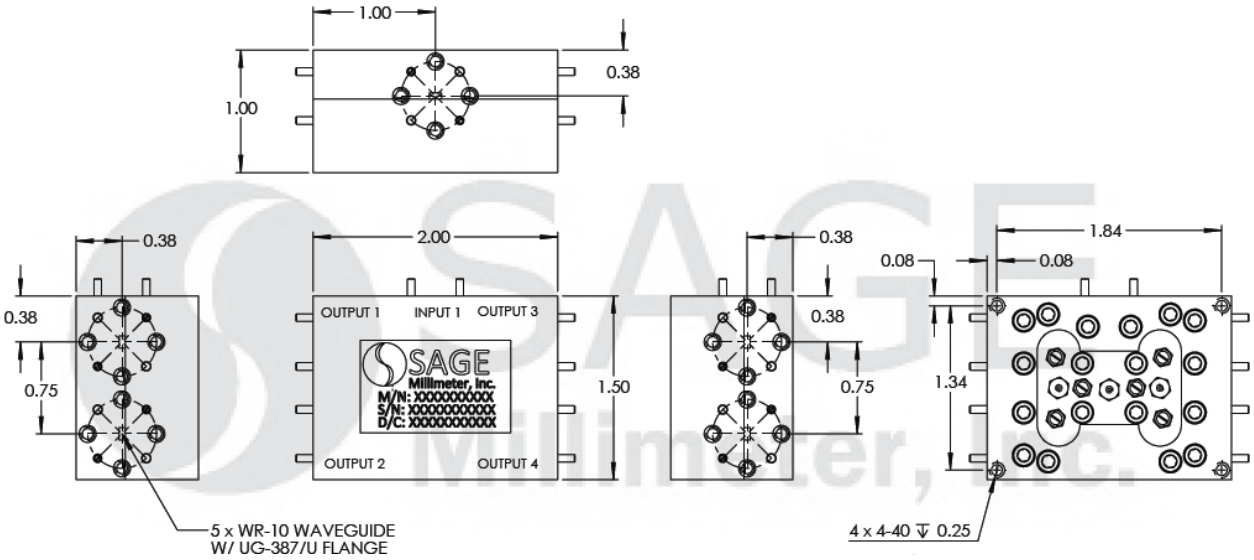
Typical Isolation and Insertion Loss vs. Frequency



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



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.
- 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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