

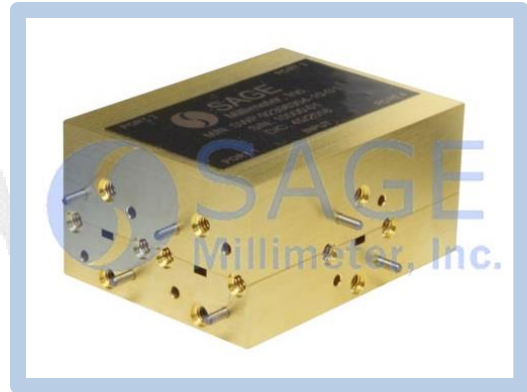
SWP-62386304-12-S1

Rev. 1.0

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

Description:

Model SWP-62386304-12-S1 is an E band, 4-way power divider with a typical insertion loss of 1.0 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 a right angle configuration with WR-12 waveguides and UG-387/U flanges at the input and all outputs.



Features:

- Low Insertion Loss
- Excellent Port Un-balance
- High Isolation

Applications:

- Test Labs
- Instrumentation
- Sub-assemblies

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	62 GHz		86 GHz
Insertion Loss		0.8 dB	
Amplitude Unbalance			±0.4 dB
Port Isolation, Adjacent Port		20 dB	
Port VSWR		1.5:1	
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

Mechanical Specifications:

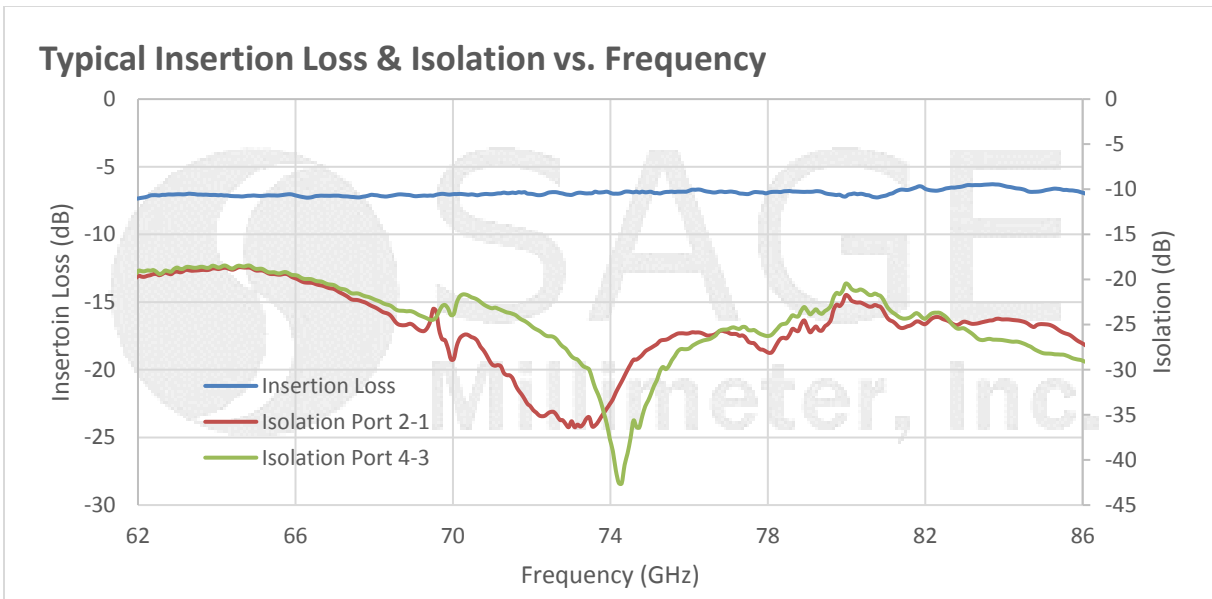
Item	Specification
Input Waveguide	WR-12 Waveguide with UG-387/U Flange
Output Waveguides	WR-12 Waveguide with UG-387/U Flange
Dimensions	1.50" (L) X 2.00" (W) X 1.00" (H)
Material	Aluminum
Finish	Gold Plated
Weight	4.5 Oz
Outline	WP-E4



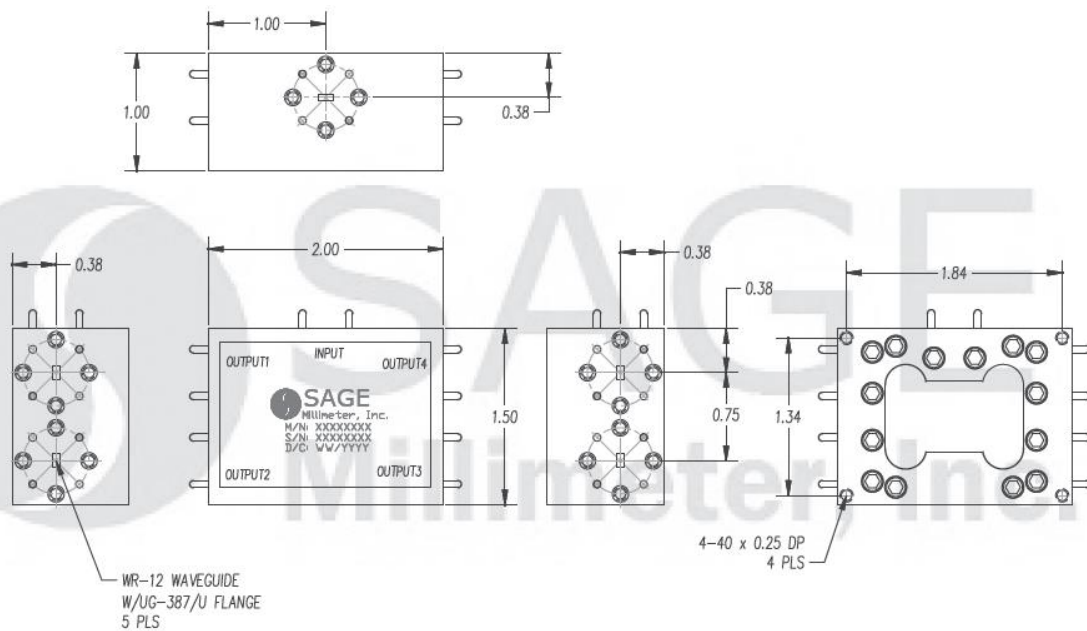
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Mechanical Outline: (Unless otherwise specified, all dimensions are in inches)



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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