

SWP-60390302-12-S1

Rev. 1.1

WR-12 Waveguide Power Divider, 2 Way, 60 to 90 GHz

Description:

Model SWP-60390302-12-S1 is an E band, 2-way power divider with a typical insertion loss of 0.5 dB across the frequency range of 60 to 90 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 anti-cocking flanges at the input and all outputs.



Features:

- Low Insertion Loss
- High Isolation
- Compact Package

Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	60 GHz		90 GHz
Power Unbalance		±0.3 dB	
Insertion Loss		0.5 dB	
Isolation		20 dB	
Return Loss		20 dB	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

Mechanical Specifications:

Item	Specifications
RF Ports	WR-12 Waveguide with UG-387/U Anti-Cocking Flange
Material	Brass
Finish	Gold Plated
Weight	3.9 Oz
Outline	WP-E2-A-2

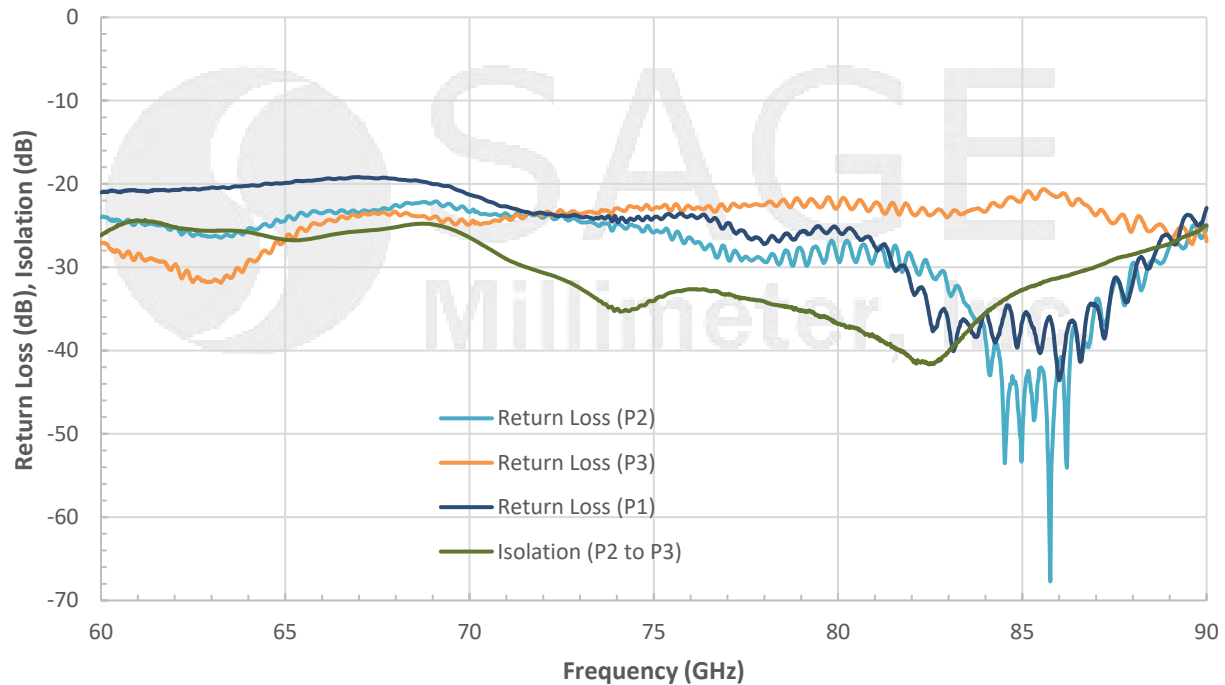


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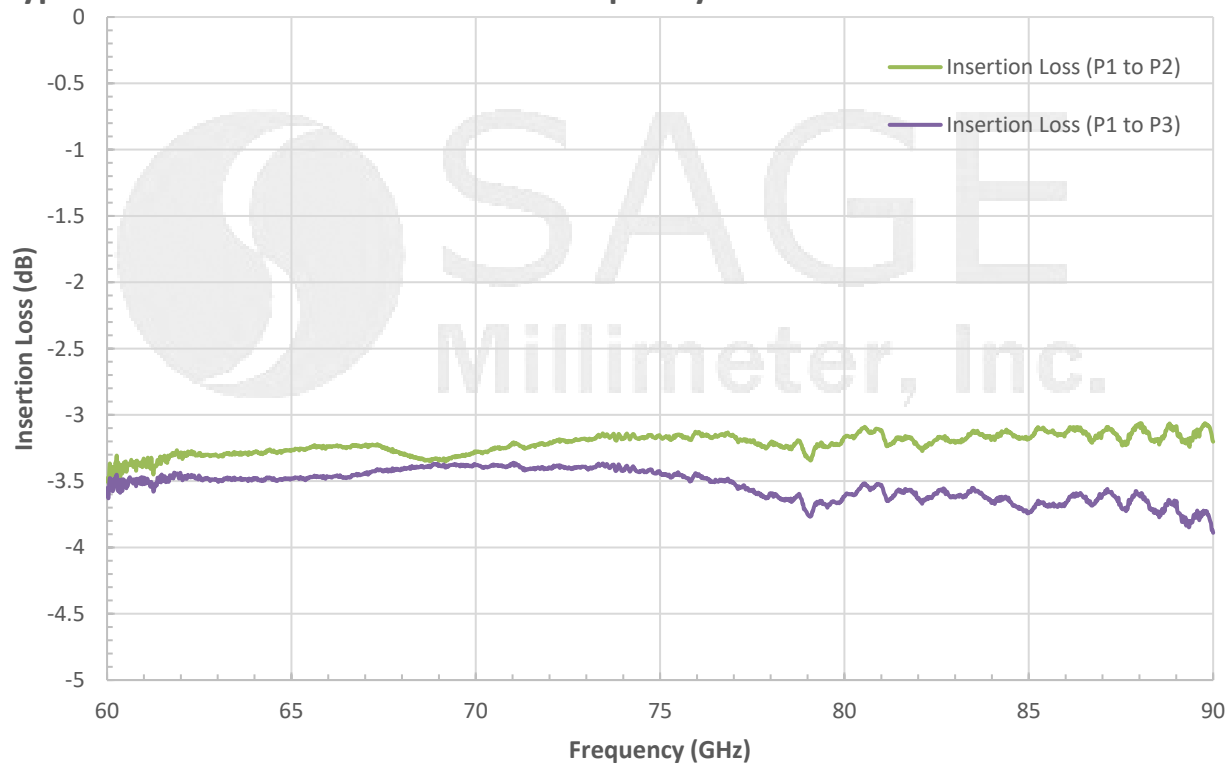
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Typical Measured Return Loss and Isolation Vs Frequency



Typical Measured Insertion Loss Vs Frequency

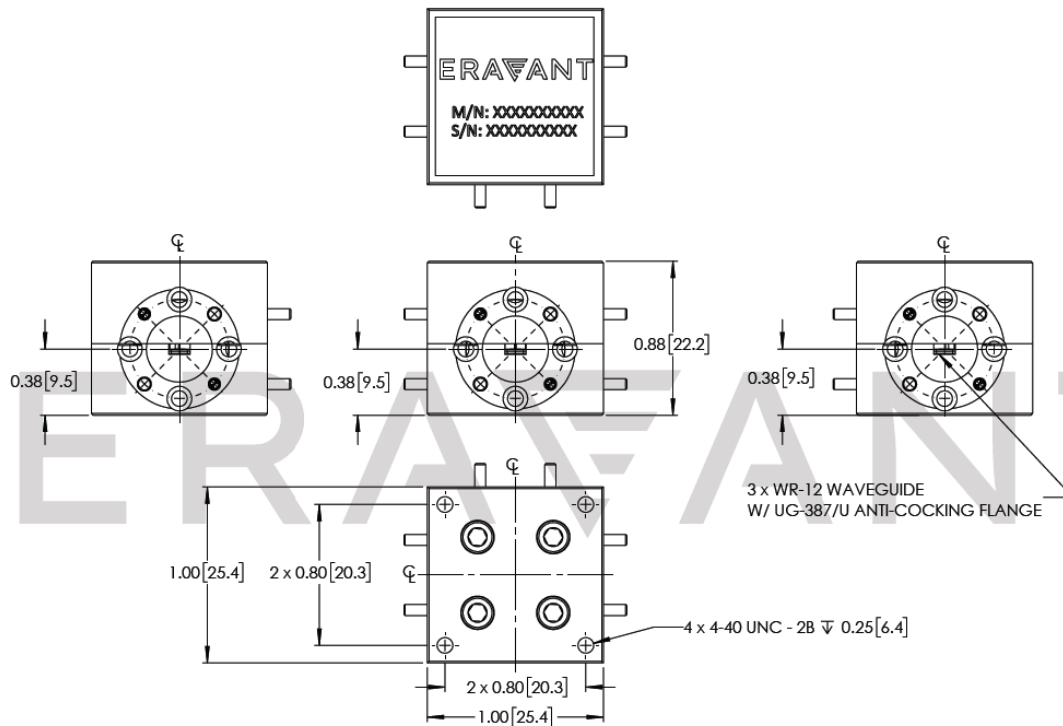


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Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



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.
- Eravant 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.

