SWP-62386304-12-E1-2-WP

WR-12 Waveguide Power Divider, 4-Way, 60 to 90 GHz

SWP-62386304-12-E1-2-WP is an E band, 4-way power divider with a typical insertion loss of 1.4 dB across the frequency range of 60 to 90 GHz. The divider offers 16 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 Anti-Cocking flanges at the input and all outputs.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	60 GHz		90 GHz
Insertion Loss*		1.4 dB	
Power Unbalance		±0.5 dB	
Isolation (Adjacent Ports)		16 dB	
Isolation (Non-Adj. Ports)		16 dB	
Return Loss		14 dB	
Specification Temperature		+25 ˚C	
Operating Temperature	-40 ˚C		+85 ˚C

*Performance may be reduced at band edges.

Mechanical Specifications:

Item	Specification
RF Ports	WR-12 Waveguide with UG-387/U Anti-Cocking Flange
Material	Aluminum
Finish	Gold Plated
Weight	3.8 Oz
Outline	WP-E4I-A

ECCN

EAR99

FEATURES

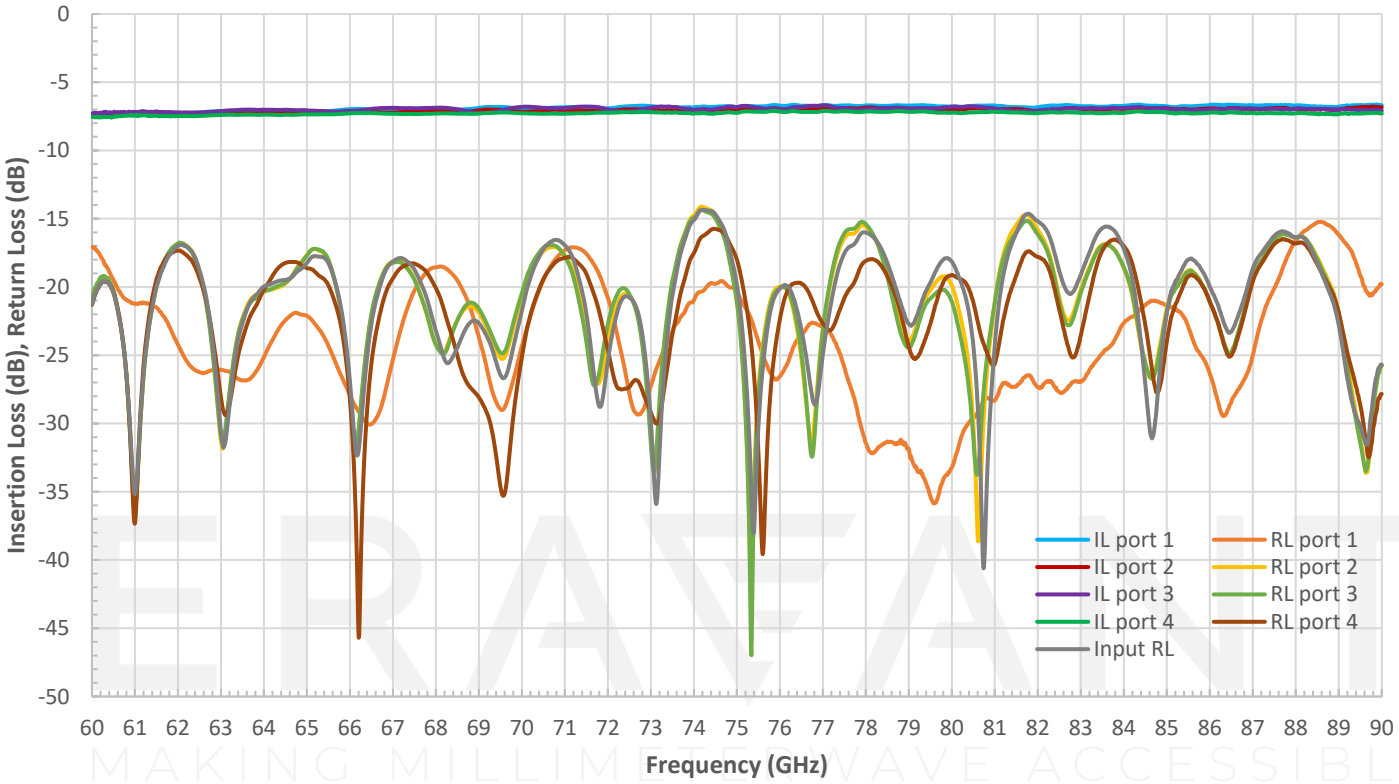
- High Isolation
- Low Insertion Loss
- Inline Package

APPLICATIONS

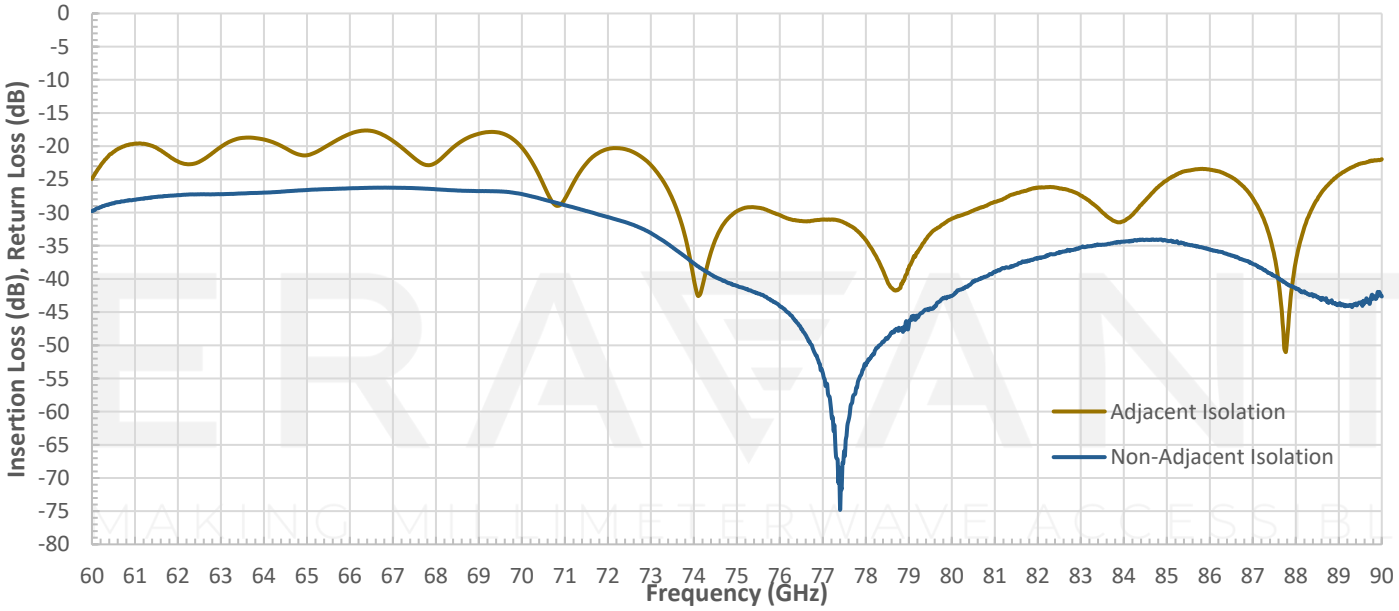
- Power Combing and Dividing
- Power Amplifiers
- Sub-assemblies

SUPPLEMENTAL DETAILS

Typical Insertion Loss and Return Loss Vs Frequency

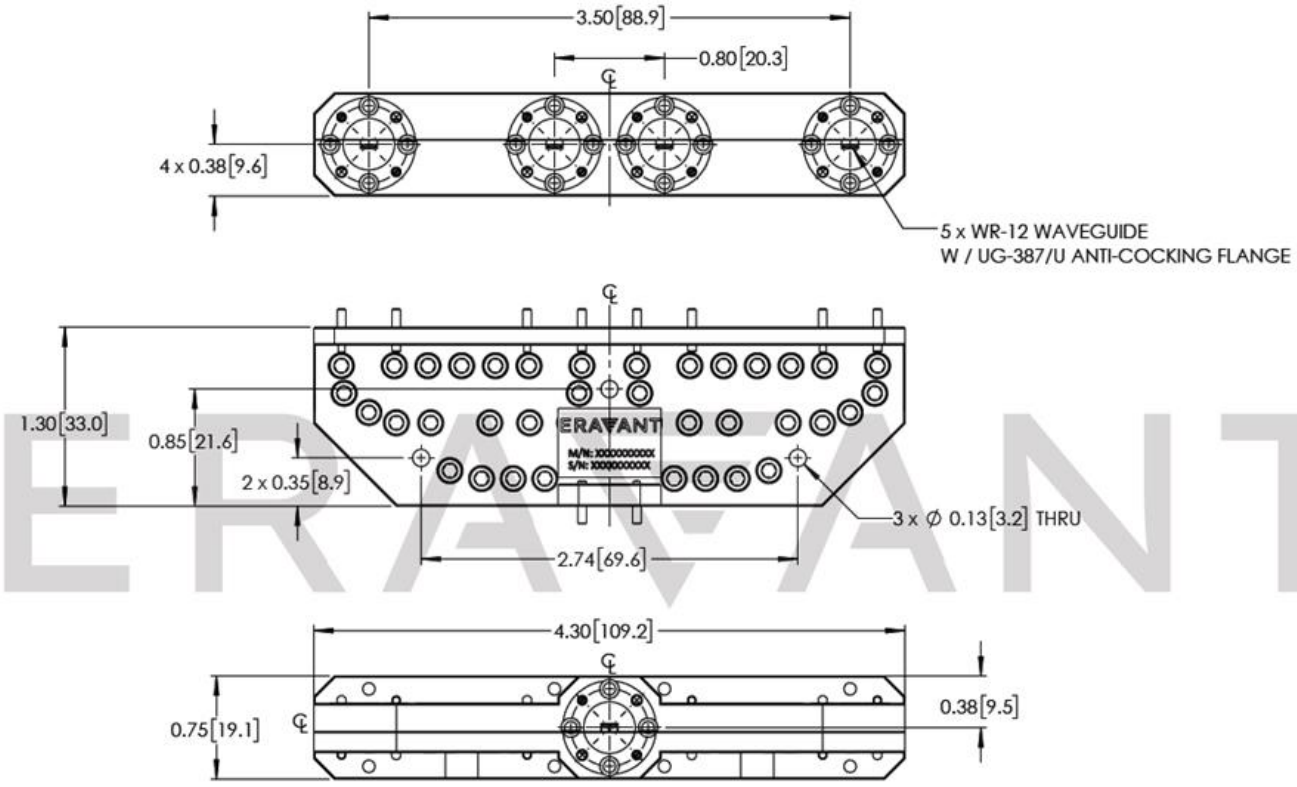


Typical Isolation Vs Frequency



Mechanical Outline:

Unless otherwise specified, all dimensions are in inches [millimeters])



NOTE:

- On condition that test data is provided it is collected from a sample lot. Actual data may vary slightly from unit to unit. All testing is performed under +25 °C room temperature.
- Eravant reserves the right to change the information presented without notice.

CAUTION:

- If a waveguide is present, any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.
- Any foreign objects in the antenna will cause performance degradation and possible device damage.