SWP-22430402-03-S1-WP

WR-06 Waveguide Power Divider, 2-Way, 220 to 300 GHz

SWP-22430402-03-S1-WP is a WR-03, 2-way power divider that operates from 220 to 300 GHz. The power divider offers a typical insertion loss of 2.3 dB and typical isolation of 15 dB. All ports are well-balanced and in-phase for power dividing or combining applications across the band. The power divider is configured as a right-angle package with WR-03 waveguides and UG-387/U-M anti-cocking flanges at all ports. An inline, 2-way configuration is offered under model **SWP-22433402-03-E1**. Other power splitting options, such as 4-way, 8-way, and 16-way division, are available for both right-angle and inline configurations under different model numbers.

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Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	220 GHz		300 GHz
Insertion Loss		2.3 dB	
Power Imbalance		±1.2 dB	
Isolation		15 dB	
Return Loss		12 dB	
Specification Temperature		+25 ˚C	
Operating Temperature	-40 ˚C		+85 ˚C

Mechanical Specifications:

Item	Specification
RF Ports	WR-03 Waveguide with UG-387/U-M Anti-Cocking Flange
Material	Brass
Finish	Gold Plated
Weight	4.0 Oz
Outline	WP-032-A

ECCN

EAR99

FEATURES

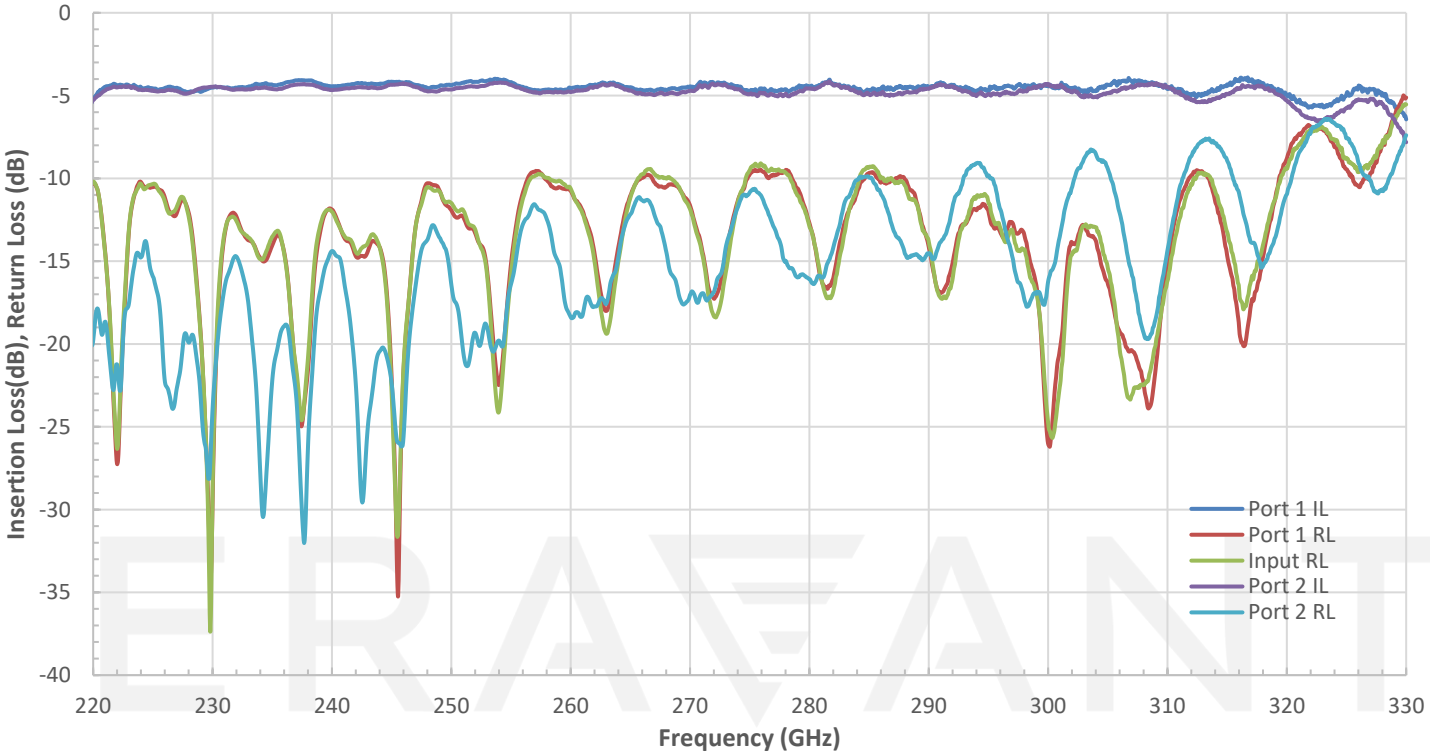
- Low Insertion Loss
- Compact Package

APPLICATIONS

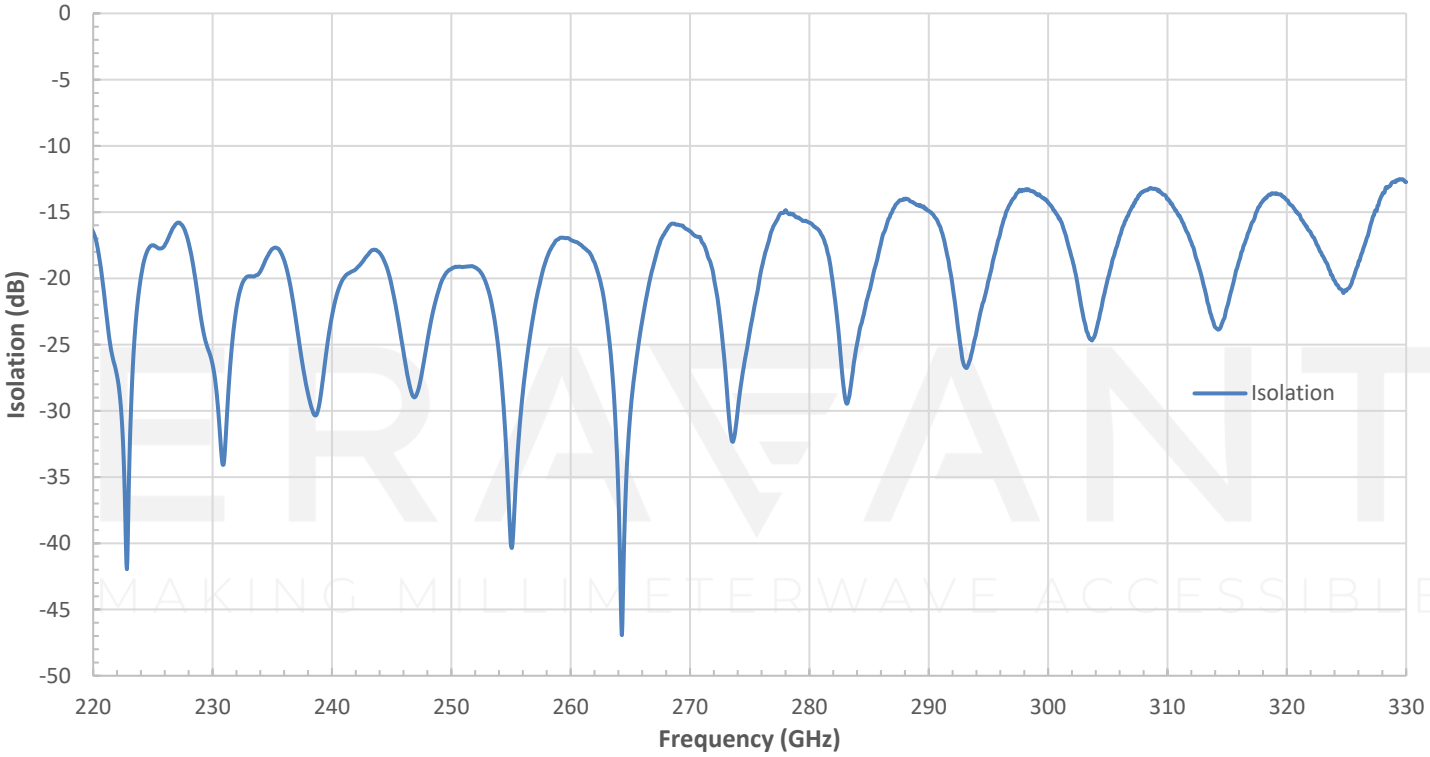
- Test Labs
- Instrumentation
- Sub-assemblies

SUPPLEMENTAL DETAILS

Measured Insertion loss and Return Loss Vs Frequency

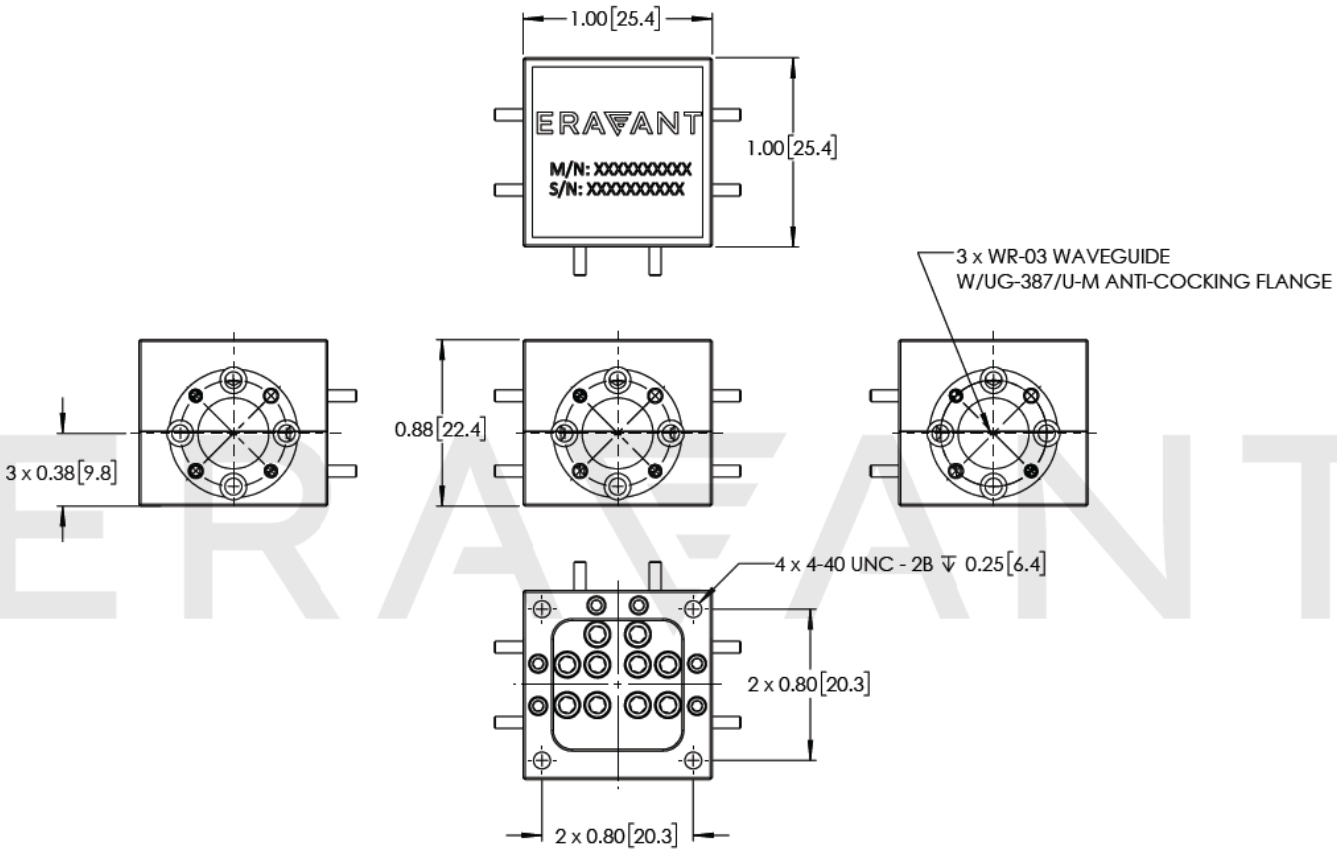


Measured Isolation Vs Frequency



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.