SWP-22433402-03-E1

WR-03 Waveguide Power Divider, 2-Way, 220 to 330 GHz

SWP-22433402-03-E1 is a WR-03, 2-way power divider that operates from 220 to 330 GHz. The power divider offers a typical insertion loss of 2.5 dB and typical isolation of 14 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 in-line package with WR-03 waveguides and UG-387/U-M compatible flanges at all ports. 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 and different waveguides.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	220 GHz		330 GHz
Insertion Loss		2.5 dB	
Power Imbalance		±1.5 dB	
Isolation		14 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 Compatible Flange
Material	Brass
Finish	Gold Plated
Weight	4.7 Oz
Outline	WP-032I-A

ECCN

EAR99

FEATURES

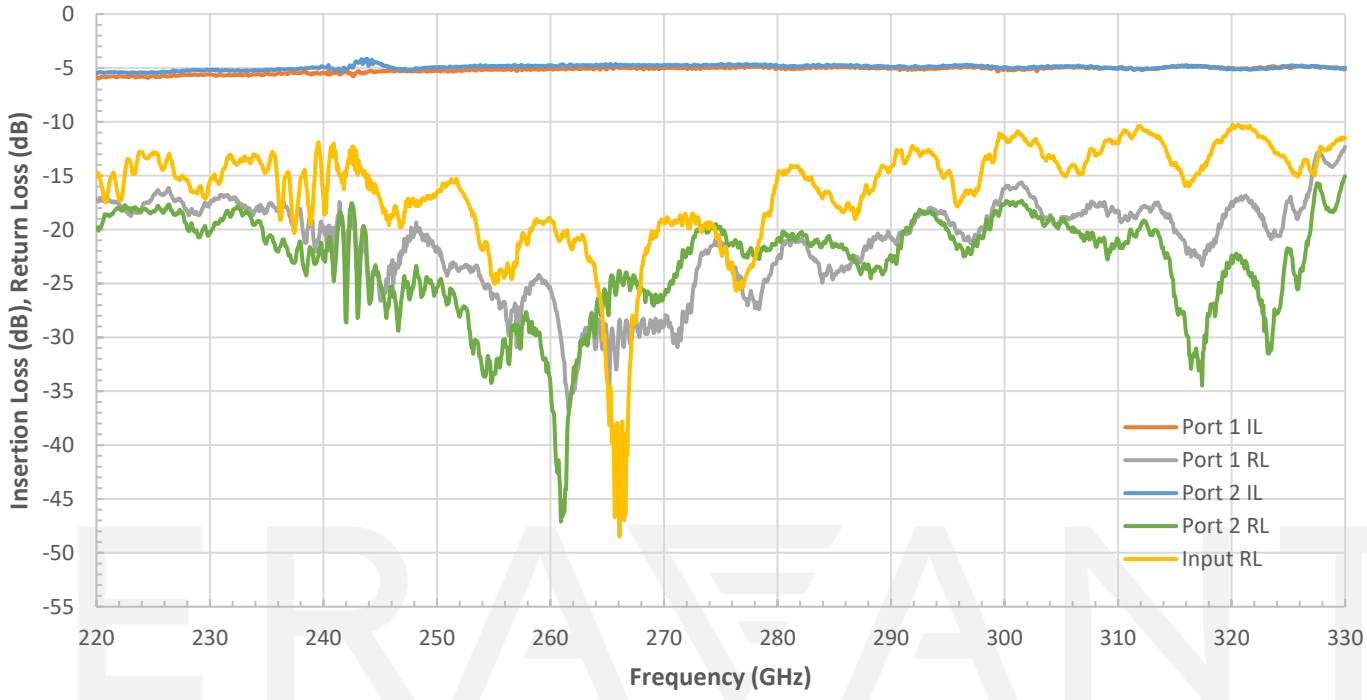
- Full Band Performance
- Low Insertion Loss
- Moderate Isolation
- In-line Configuration
- Compact Package

APPLICATIONS

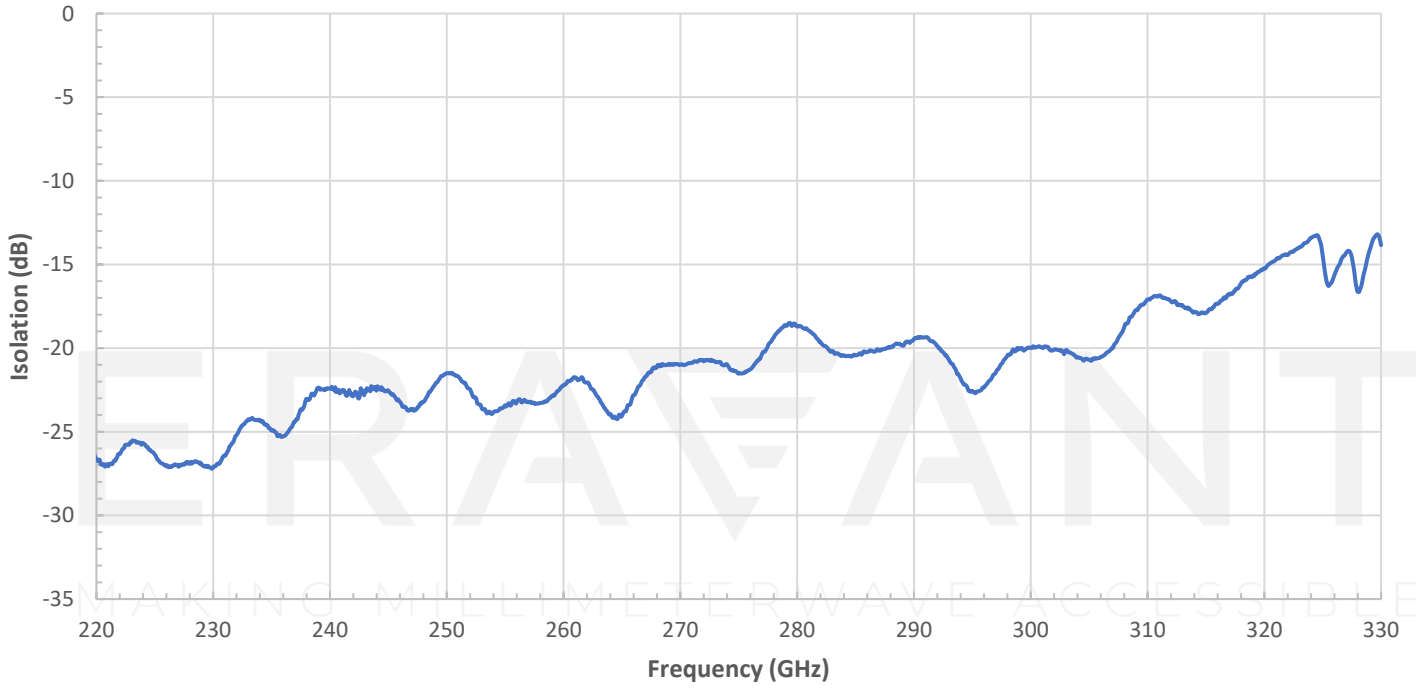
- Testing & Measurement
- Instrumentation
- Sub-assemblies
- Power Splitting and Combining

SUPPLEMENTAL DETAILS

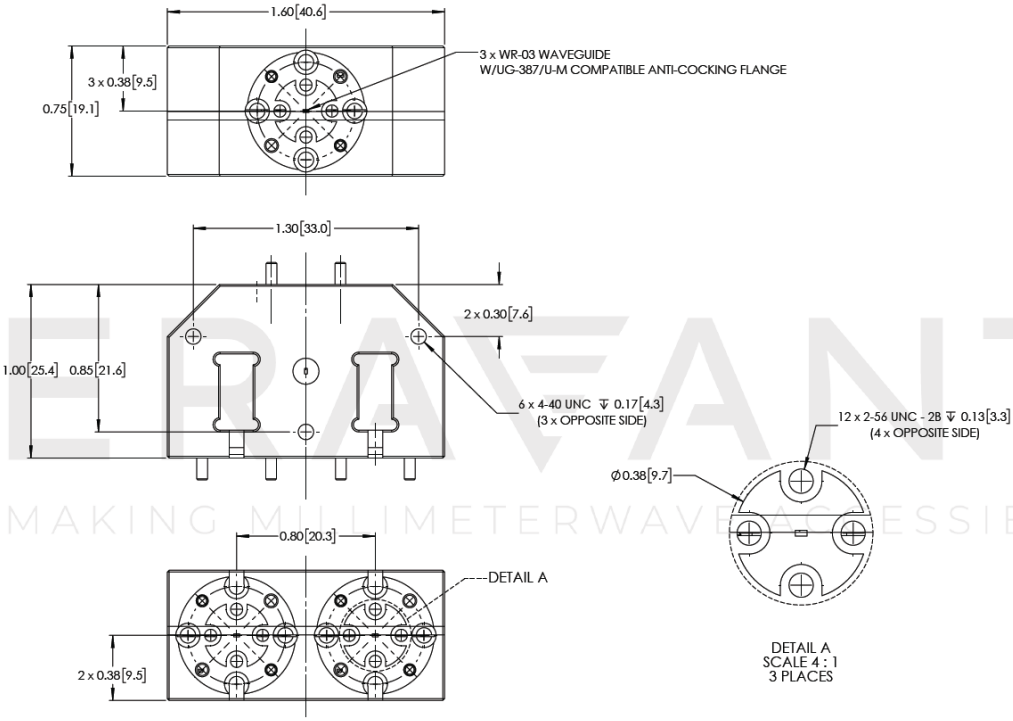
Typical Insertion Loss, Return Loss Vs Frequency



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:

- Exceeding absolute maximum ratings shown will damage the device.
- If a waveguide is present, any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.