

## WR-03 Waveguide Power Divider, 2-Way, 220 to 325 GHz

### Description:

**Model SWP-22433402-03-S1-WP** is a WR-03, 2-way power divider that operates from 220 to 325 GHz. The power divider offers a typical insertion loss of 2.3 dB and typical isolation of 20 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.



### Features:

- Low Insertion Loss
- High Isolation
- Compact Package

### Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

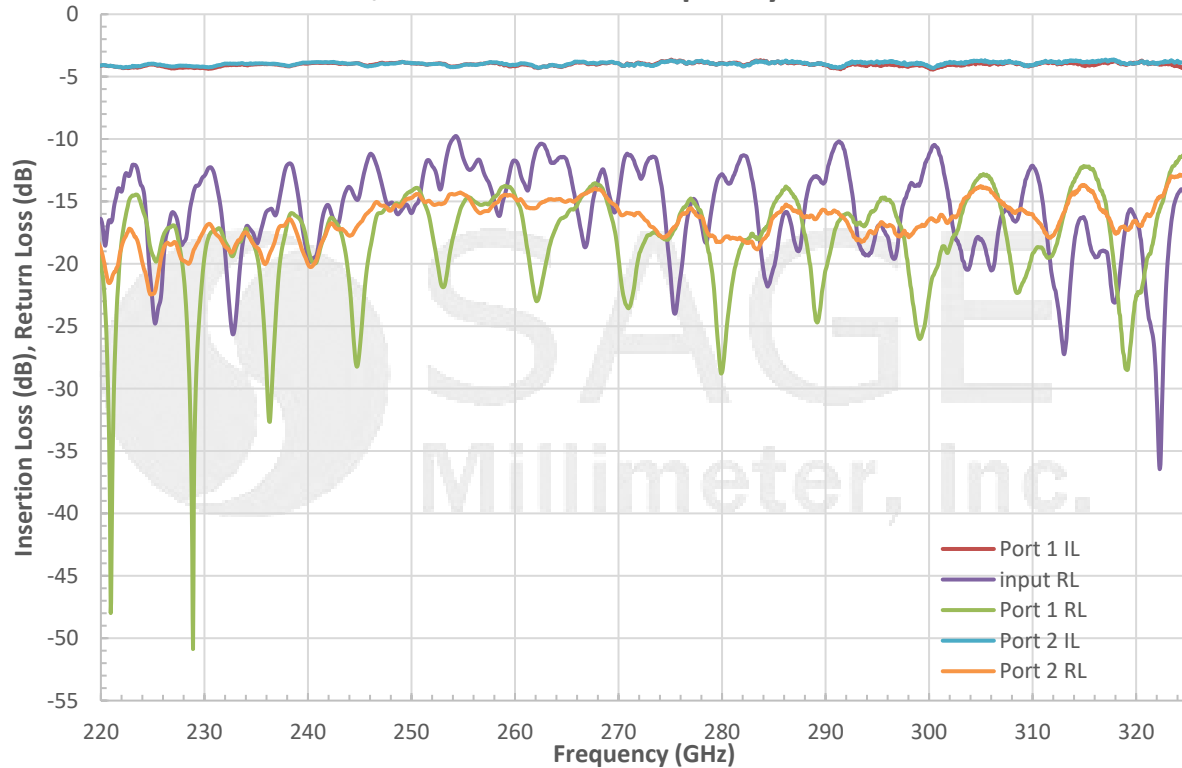
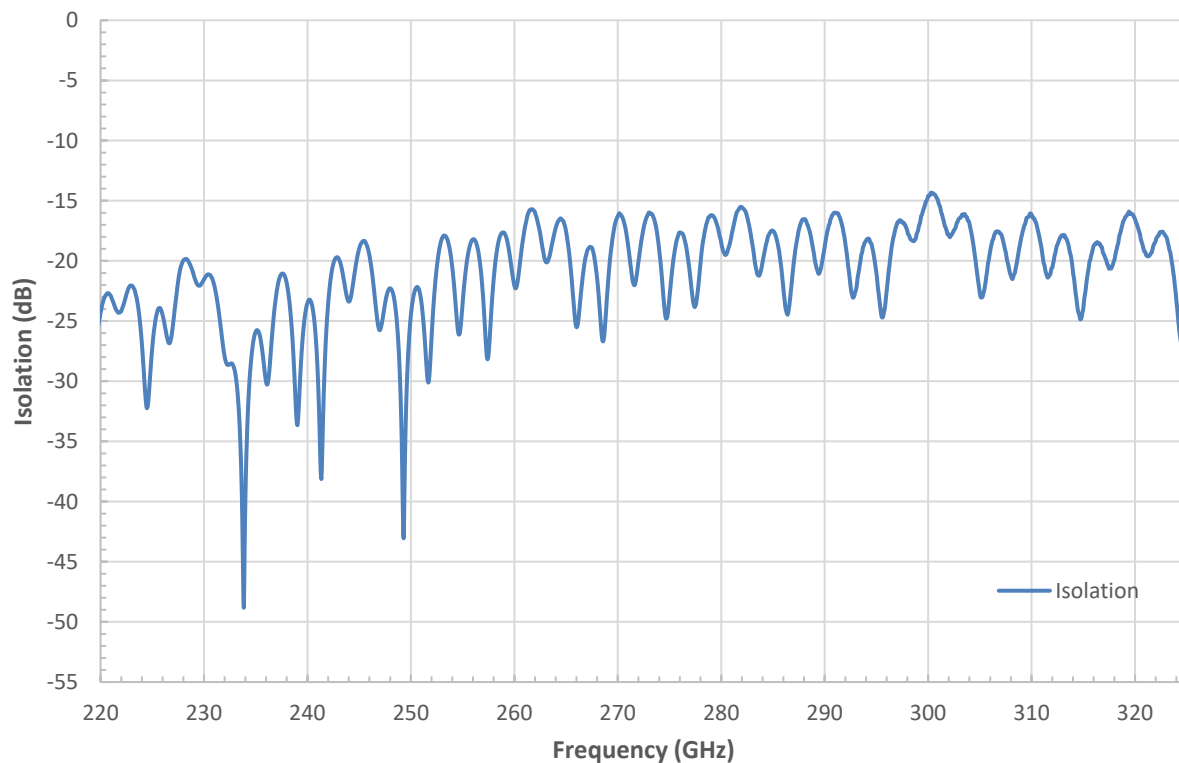
### Electrical Specifications:

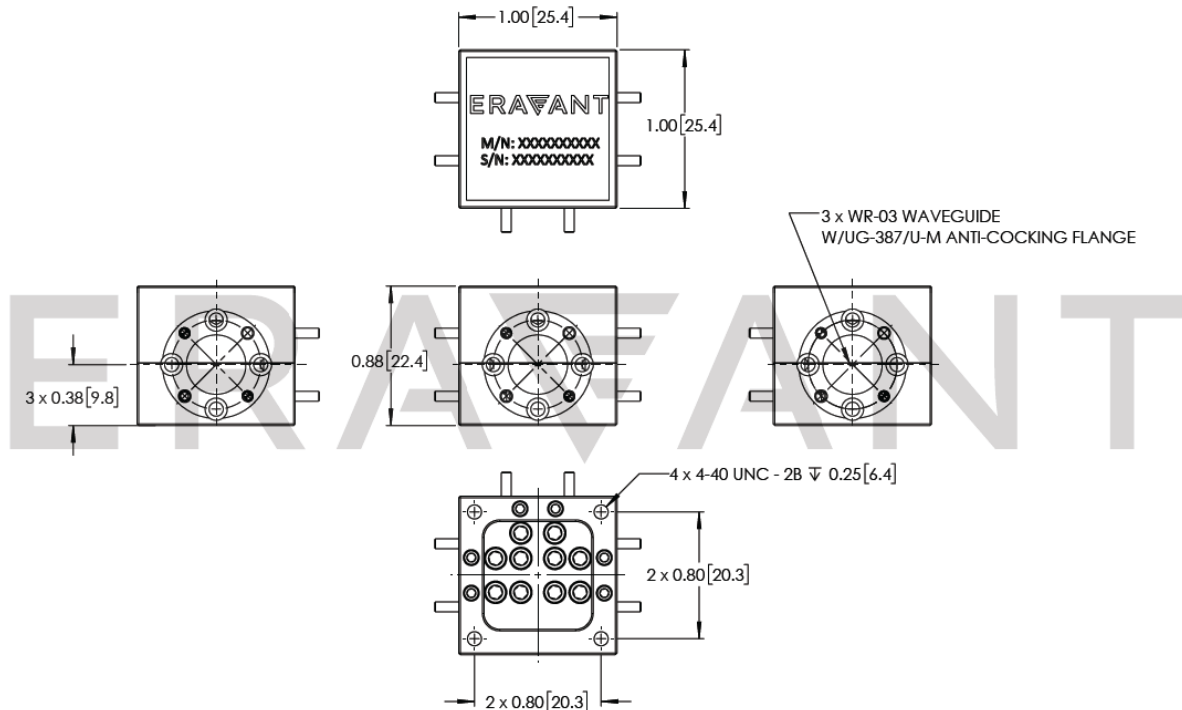
Parameter	Minimum	Typical	Maximum
Frequency	220 GHz		325 GHz
Insertion Loss		2.3 dB	
Power Imbalance		±1.2 dB	
Isolation		20 dB	
Return Loss		15 dB	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

### 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



**WR-03 Waveguide Power Divider, 2-Way, 220 to 325 GHz****Measured Insertion Loss, Return Loss Vs Frequency****Measured Isolation Vs Frequency**

**WR-03 Waveguide Power Divider, 2-Way, 220 to 325 GHz****Mechanical Outline:** (Unless otherwise specified, all dimensions are in inches [millimeters])**Note:**

- 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.