

## SWP-12419402-06-S1

### WR-06 Waveguide Power Divider, 2-Way, 115 to 190 GHz

**SWP-12419402-06-S1** is a WR-06, 2-way power divider that operates from 115 to 190 GHz. The power divider offers a typical insertion loss of 2 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-06 waveguides and UG-387/U-M anti-cocking flanges at all ports.



#### Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency	115 GHz		190 GHz
Insertion Loss		2.0 dB	
Power Unbalance		±0.8 dB	
Isolation		20 dB	
Return Loss		20 dB	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

#### Mechanical Specifications:

Item	Specification
RF Ports	WR-06 Waveguide with UG-387/U-M Anti-Cocking Flange
Material	Brass
Finish	Gold Plated
Weight	4.0 Oz
Outline	WP-D2-A-2

#### ECCN

EAR99

#### FEATURES

- Broad band Coverage
- Compact Size
- High Isolation
- Low Insertion Loss

#### APPLICATIONS

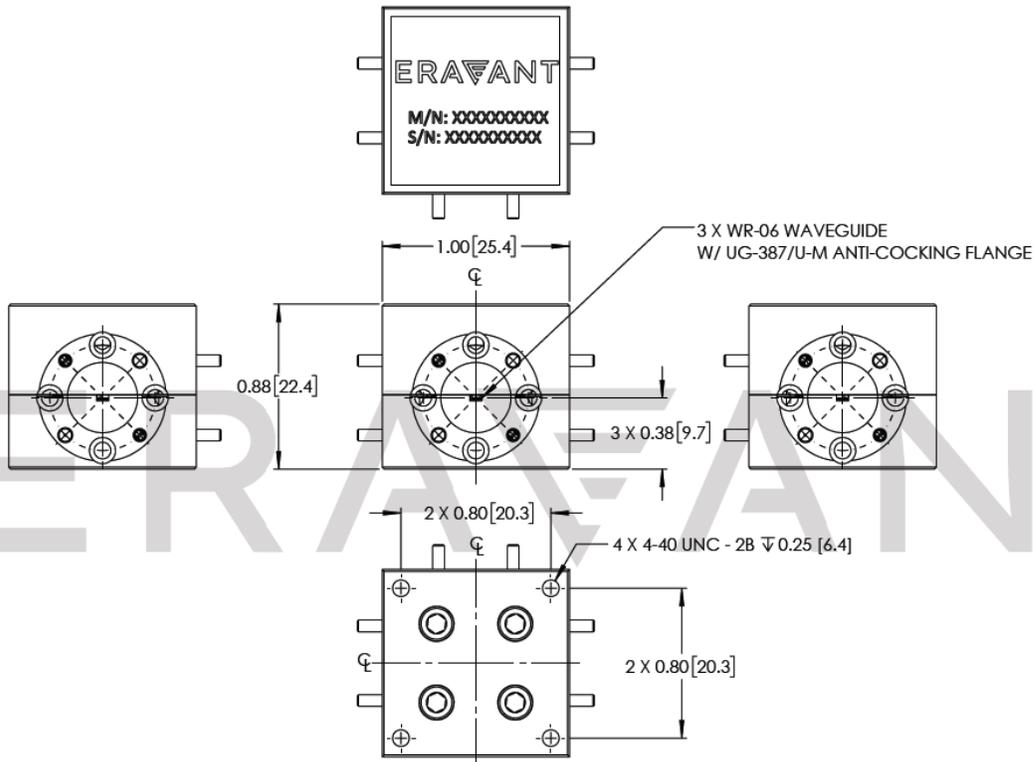
- Test Lab
- Instrumentations
- System Integration

#### SUPPLEMENTAL DETAILS



### Mechanical Outline:

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



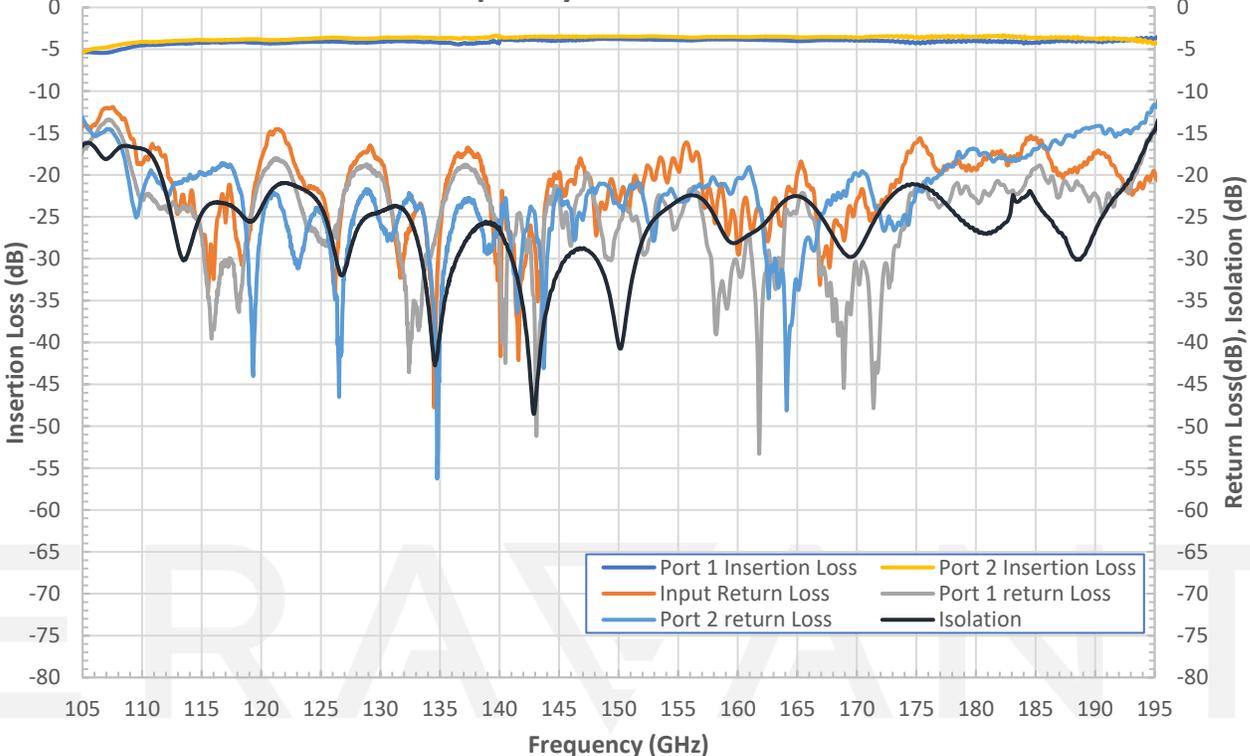
### NOTE:

- 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.

Measured Performance vs Frequency



MAKING MILLIMETERWAVE ACCESSIBLE

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