

**Waveguide Power Divider, Ka Band, 8 Way, 32 to 38 GHz**

**SWP-32338308-28-E1** is a Ka band, 8-way in-line waveguide power divider that operates across the frequency range of 32 to 38 GHz. The power divider offers a typical insertion loss of 0.9 dB at each output port and a typical isolation of 25 dB. The ports are well balanced and in phase for either power dividing or power combining applications across the specified frequency range. Other configurations are available under different model numbers.

**Electrical Specifications:**

Parameter	Minimum	Typical	Maximum
Frequency	32 GHz		38 GHz
Power Unbalance		±0.20 dB	
Insertion Loss		0.9 dB	
Isolation		25 dB	
Return Loss		15 dB	
Specification Temperature		+25 °C	
Operating Temperature	-40 °C		+85 °C

**Mechanical Specifications:**

Item	Specification
Input Port	WR-28 Waveguide with UG-599/U Compatible Flange
Output Ports	WR-28 Waveguide with UG-599/U Compatible Flange
Port Separation	1.00"
Material	Aluminum
Finish	Gold Plated
Outline	WP-A8I

**ECCN**

EAR99

**FEATURES**

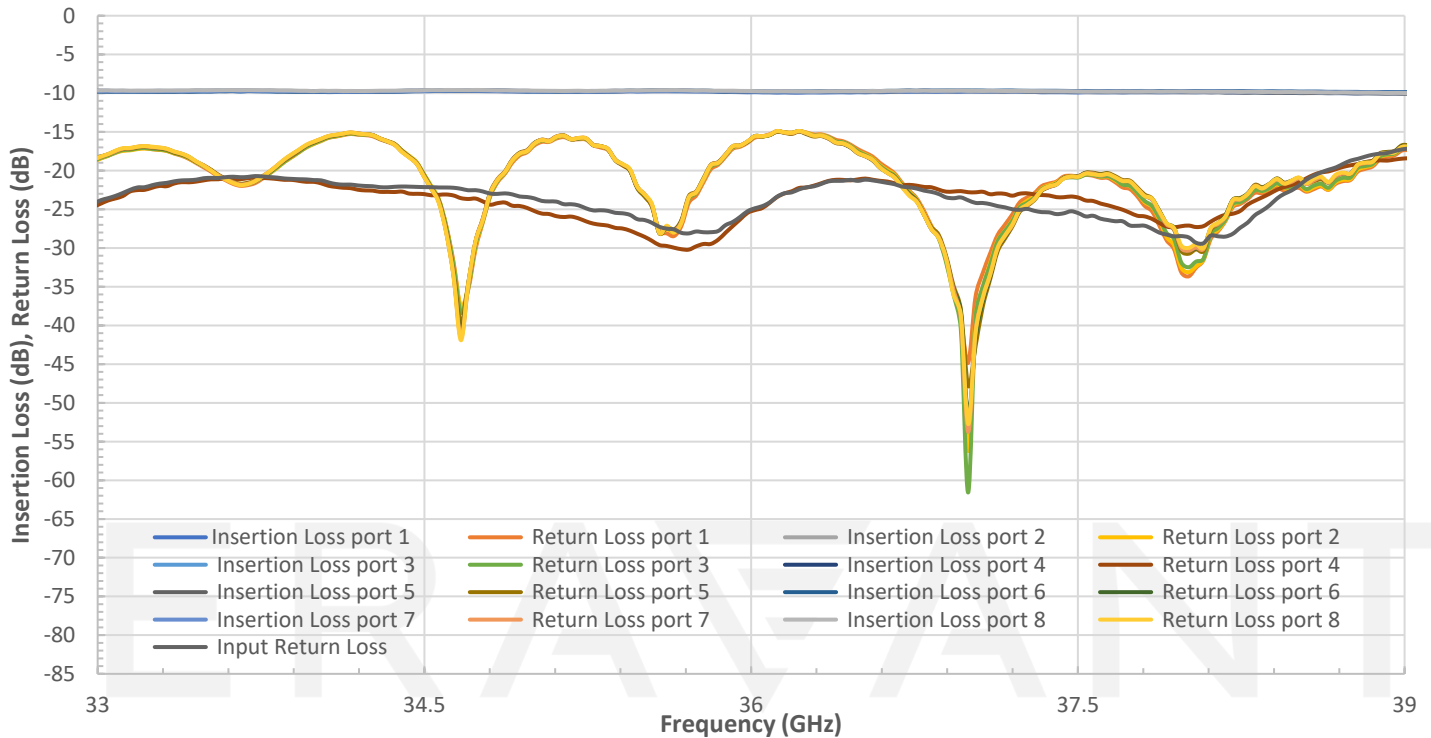
- In-line Configuration
- High Isolation
- Low Insertion Loss

**APPLICATIONS**

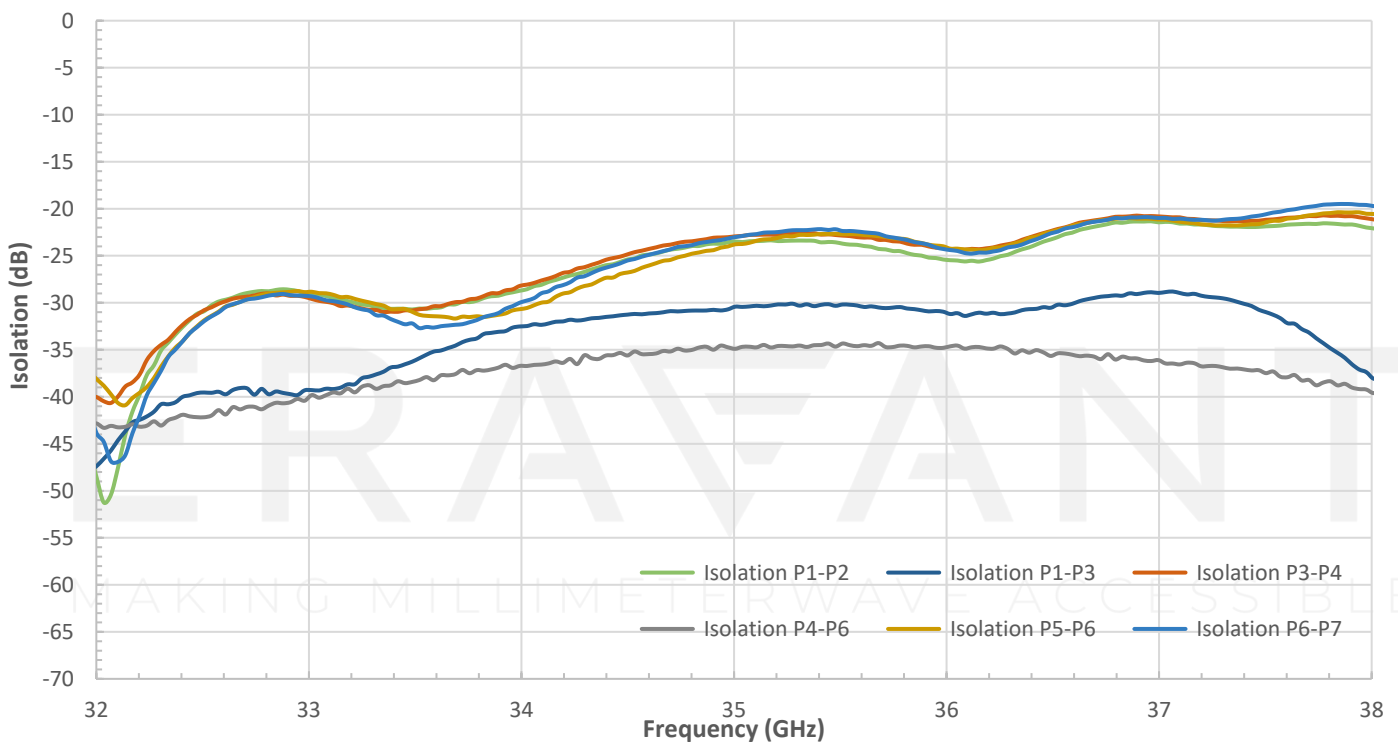
- Power Combining and Dividing
- Test Instrumentations
- Sub-Assemblies

**SUPPLEMENTAL DETAILS**

### Measured Insertion Loss and Return Loss Vs Frequency



### Measured Isolation Vs Frequency



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- 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.

- 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.