



## WR-10 Directional Coupler

### Description:

These standard 3 ports waveguide directional couplers are traditional multi-hole directional couplers. They feature low insertion loss, flat coupling level and high directivity crossing entire waveguide band in the frequency range of 75.0 to 110.0 GHz. Bi-directional (4 ports) and dual directional (4 ports) are available under different model number.



### Features:

- Broadband operation
- Low insertion loss and high directivity
- Instrumentation grade

### Applications:

- Test labs
- Instrumentations
- Sub-assemblies

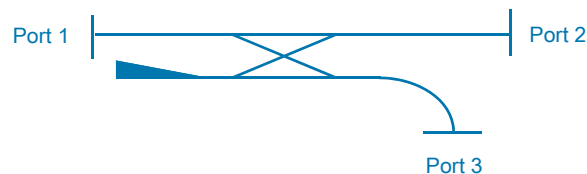
### Device Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	75.0 GHz		110.0 GHz
Insertion Loss		1.5 dB	
Directivity		30 dB	
VSWR			1.1:1

\*Note: The data above is for 10 dB and 20 dB coupling level. For other coupling level, contact the factory.

### Ports Specifications:

Port	Connector	Absolute Maximum Ratings
Port 1	WR-10 Waveguide with UG-387/U-M Flange	N/A
Port 2	WR-10 Waveguide with UG-387/U-M Flange	N/A
Port 3	WR-10 Waveguide with UG-387/U-M Flange	N/A



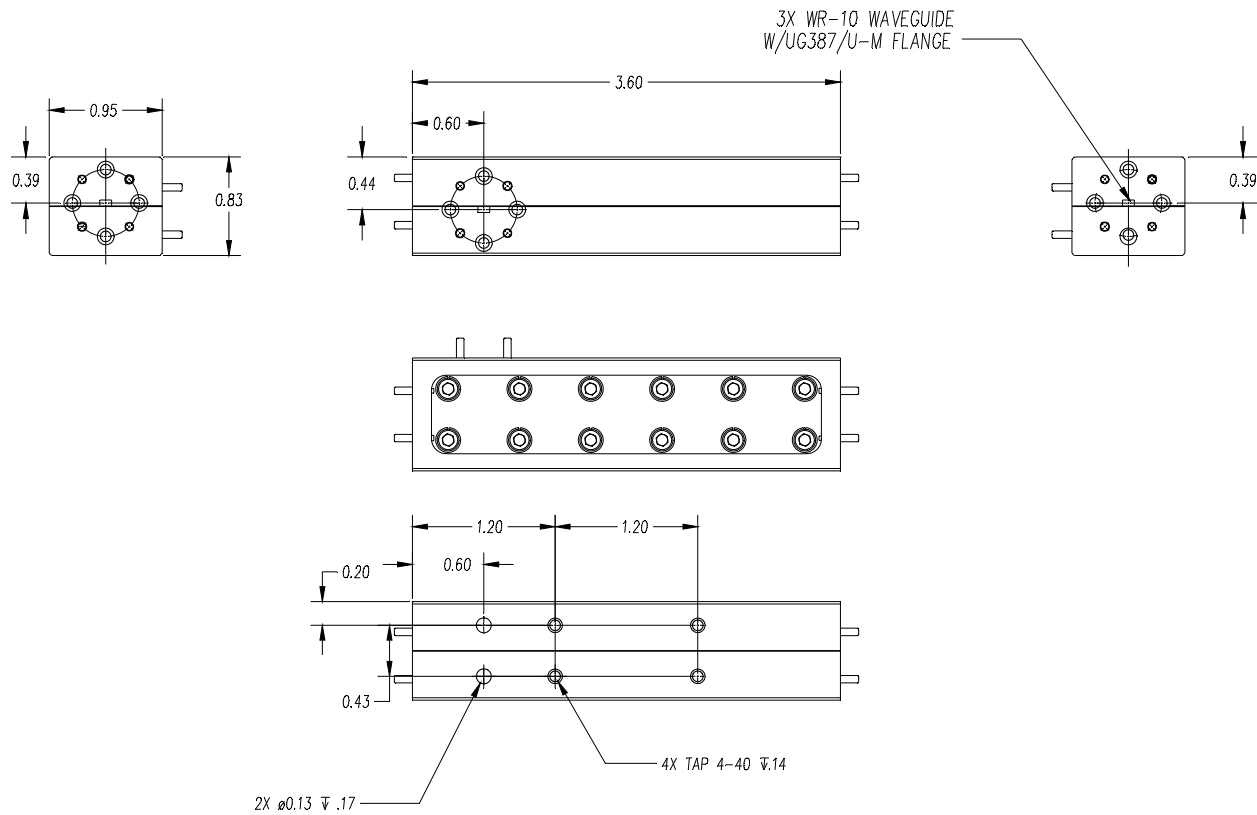


## WR-10 Directional Coupler

### Ordering Information:

Model Number: SWD-XX40H-10-SB
XX – Coupling Value (for example, SWD-0640H-10-SB means 6 dB coupling value)

**Mechanical Outline:** (Unless otherwise specified, all dimensions are in inches)



### Note:

- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.
- All data are presented using a limited sample lot, actual data may vary unit to unit.
- All testing was performed under 25°C case temperature.