



WR-19 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 40.0 to 60.0 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

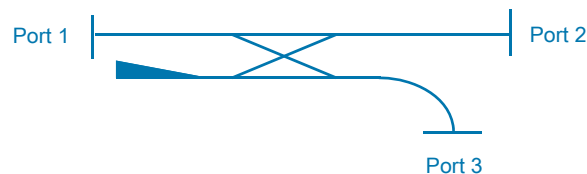
Device Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	40.0 GHz		60.0 GHz
Insertion Loss		0.8 dB	
Directivity	35 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-19 Waveguide with UG-383/U-M Flange	N/A
Port 2	WR-19 Waveguide with UG-383/U-M Flange	N/A
Port 3	WR-19 Waveguide with UG-383/U-M Flange	N/A



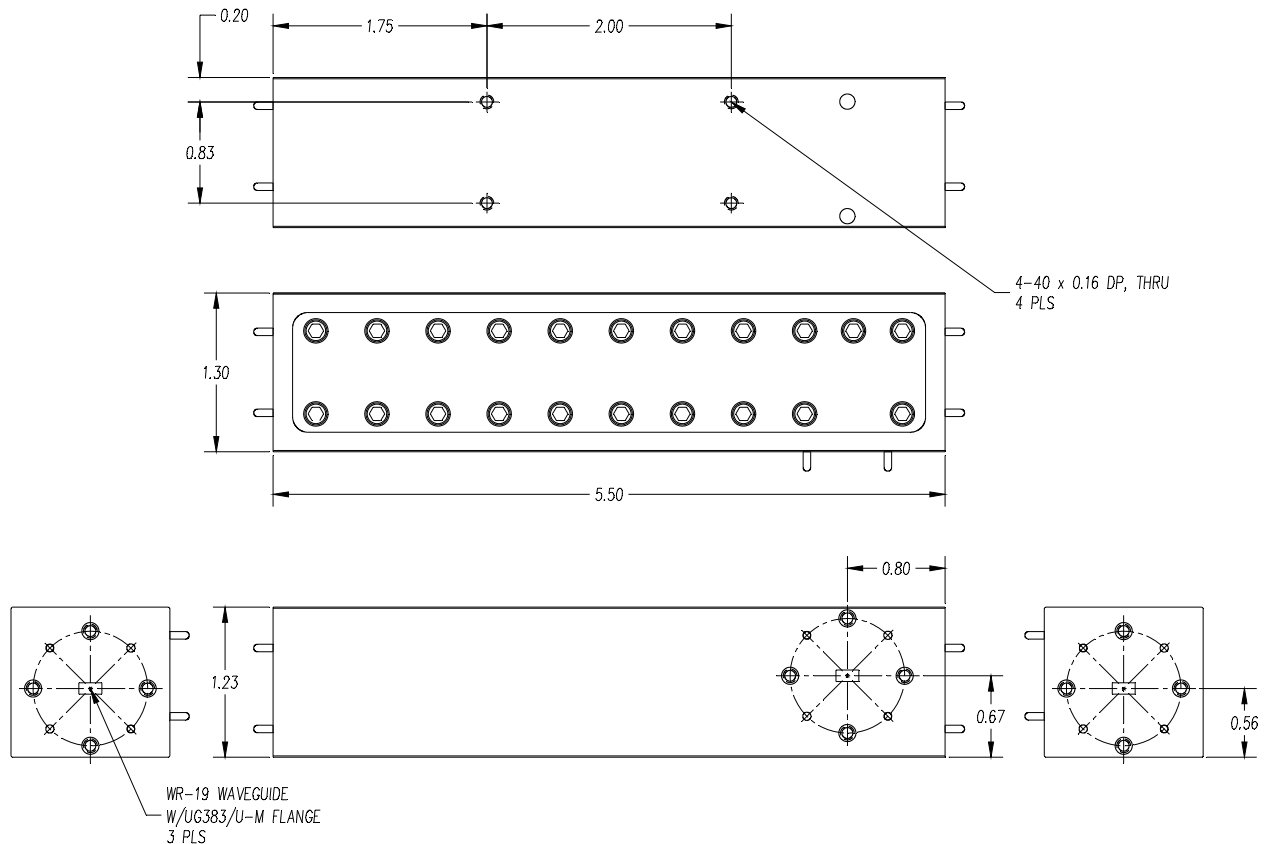


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Ordering Information:

Model Number: SWD-XX40H-19-SB
XX – Coupling Value (for example, SWD-1040H-19-SB means 10 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.