



WR-05 to Circular Waveguide Mode Transition, 0.059" Diameter

Description:

Model SWT-05059-SB is a WR-05 to 0.059" diameter circular waveguide mode transition. The mode transition is manufactured by either EDM machining or electro-forming techniques to ensure high accuracy and a quality surface finish. The transition only induces a fraction of a dB insertion loss and offers a return loss of 26 dB or better. The nominal operating frequency is 140 to 180 GHz. The dominate mode frequency range can be extended to cover 140 to 220 GHz if the higher order waveguide mode is not excited.



Features:

- Rugged Waveguide Configuration
- Low Insertion Loss
- Instrumentation Grade

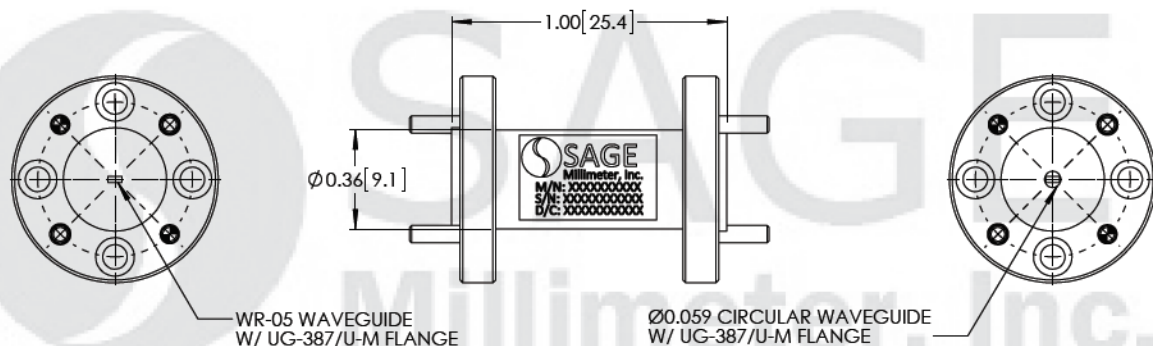
Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

Mechanical Specifications:

Item	Specification
Waveguide	WR-05 Waveguide with UG-387/U-M Flange
Waveguide	0.059" Diameter Circular Waveguide with UG-387/U-M Flange
Material	Brass
Finish	Gold Plated
Weight	0.8 Oz
Insertion Length	1.0"
Outline	WT-GC-059

Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



Note:

- SAGE Millimeter, Inc. reserves the right to change the information presented without notice.
- Other mechanical configurations are available under different model numbers.



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