



WR-42 to Circular Waveguide Mode Transition, 0.470" Diameter

Description:

Model SWT-42470-SA is a WR-42 to 0.470" 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 25 dB or better. The nominal operating frequency is 17.5 to 22 GHz and can cover 16 to 24 GHz with small return loss degradation at low end of the frequency coverage.



Features:

- Rugged Waveguide Configuration
- Low Insertion Loss
- Instrumentation Grade

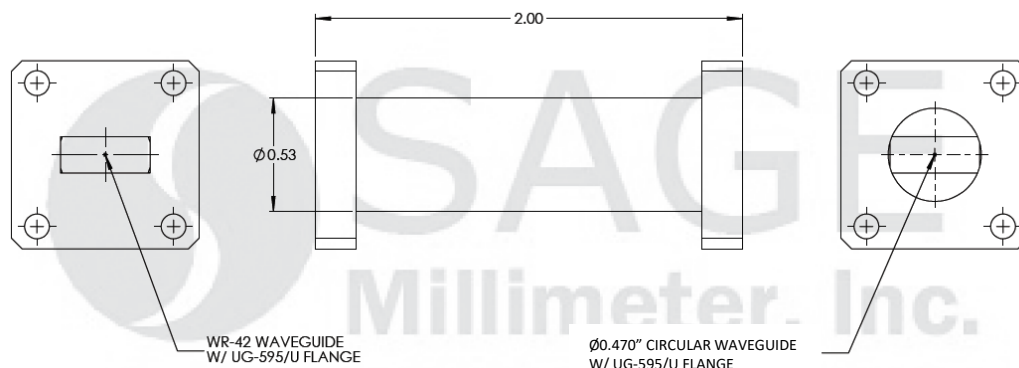
Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

Mechanical Specifications:

Item	Specification
Waveguide	WR-42 Waveguide with UG-595/U Flange
Waveguide	0.470" Diameter Circular Waveguide with UG-595/U-M Flange
Material	Aluminum
Finish	Gold Plated
Weight	0.8 Oz
Insertion Length	2"
Outline	WT-KC-470

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



Note:

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

