



WR-42 to Circular Waveguide Mode Transition, 0.436" Diameter

Description:

Model SWT-42368-SA is a WR-42 to 0.436" 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 32 dB or better. The nominal operating frequency is 18 to 22 GHz.



The dominate mode frequency range can be extended to cover 18 to 26.5 GHz if the higher order waveguide mode is not excited.

Features:

- Rugged Waveguide Configuration
- Low Insertion Loss
- Instrumentation Grade

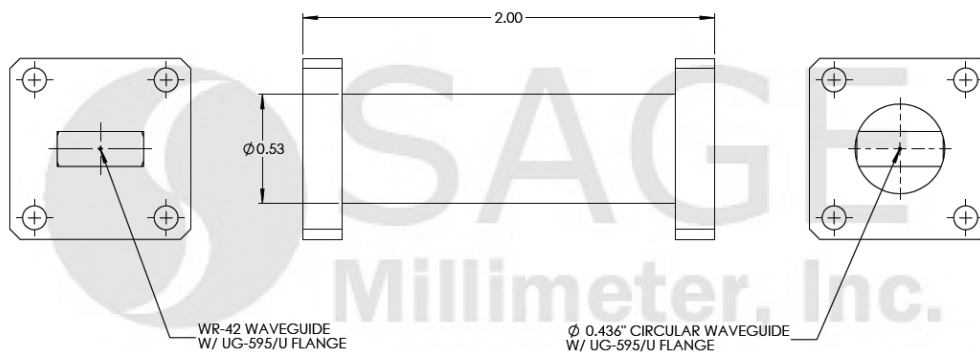
Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

Mechanical Specifications:

Item	Specification
Rectangular Waveguide Size	WR-42 with UG-595/U Flange
Circular Waveguide Size	0.436" with UG-595/U Flange
Material	Aluminum
Finish	Gold Plated
Weight	0.6 Oz
Insertion Length	2.0"
Outline	WT-KC-436

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.



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