



Square Waveguide to Circular Waveguide Mode Transition, 0.141" D

Description:

Model SWT-148141-SB is a 0.148" x 0.148" square waveguide to 0.141" 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 range is 58 to 68 GHz and extended frequency range is 50 to 75 GHz.



Features:

- Rugged Waveguide Configuration
- Low Insertion Loss
- Instrumentation Grade

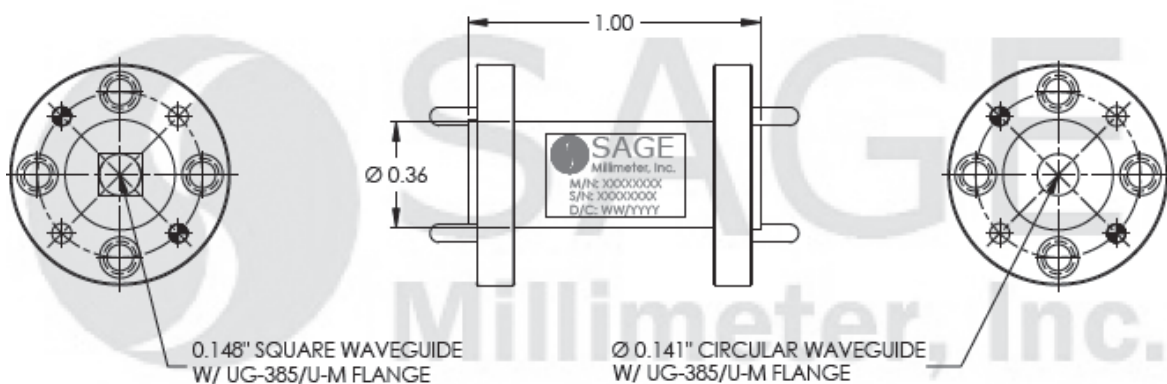
Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

Mechanical Specifications:

Item	Specification
Waveguide Size	0.148" x 0.148" Square Waveguide with UG385/U-M Flange
Waveguide Size	0.141" Diameter Circular Waveguide with UG385/U-M Flange
Material	Brass
Finish	Gold Plated
Weight	0.8 Oz
Insertion Length	1.0"
Outline	WT-VS-148141

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.

