



Square Waveguide to Circular Waveguide Mode Transition, 0.125" D

Description:

Model SWT-122125-SB-QC is a 0.122" x 0.122" square waveguide to 0.125" 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 or 32 dB or better. The nominal operating frequency range is 68 to 77 GHz and extended frequency range is 60 to 90 GHz.



Features:

- Rugged Waveguide Configuration
- Low Insertion Loss
- Instrumentation Grade

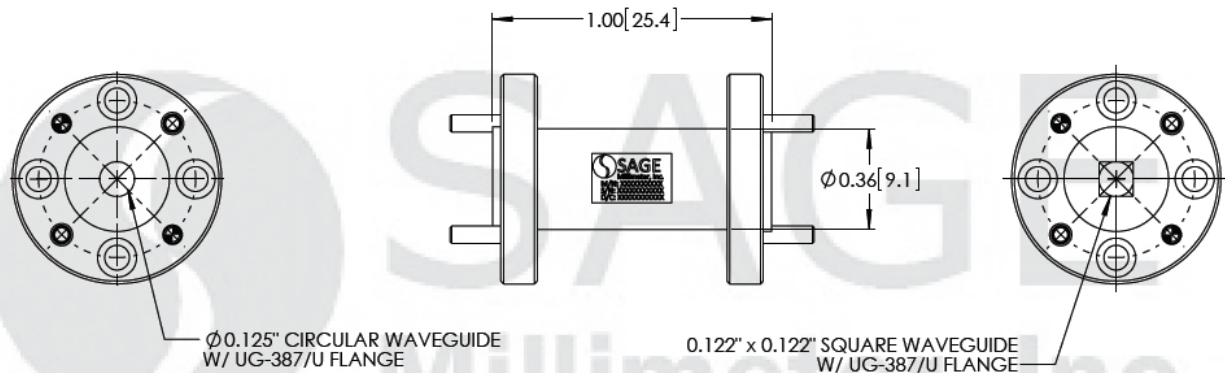
Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

Mechanical Specifications:

Item	Specification
Waveguide Size	0.122" x 0.122" Square Waveguide with UG387/U-M Flange
Waveguide Size	0.125" Diameter Circular Waveguide with UG387/U-M Flange
Material	Brass
Finish	Gold Plated
Weight	0.82 Oz
Insertion Length	1.0"
Outline	WT-ESC-122125

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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