

## Square Waveguide to Circular Waveguide Mode Transition, 0.094" D

### Description:

**Model SWT-100094-SB-QC** is a 0.100" x 0.100" square waveguide to 0.094" 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 30 dB or better. The nominal operating frequency range is 87 to 100 GHz and extended frequency range is 75 to 110 GHz.



### Features:

- Rugged Waveguide Configuration
- Low Insertion Loss
- Instrumentation Grade

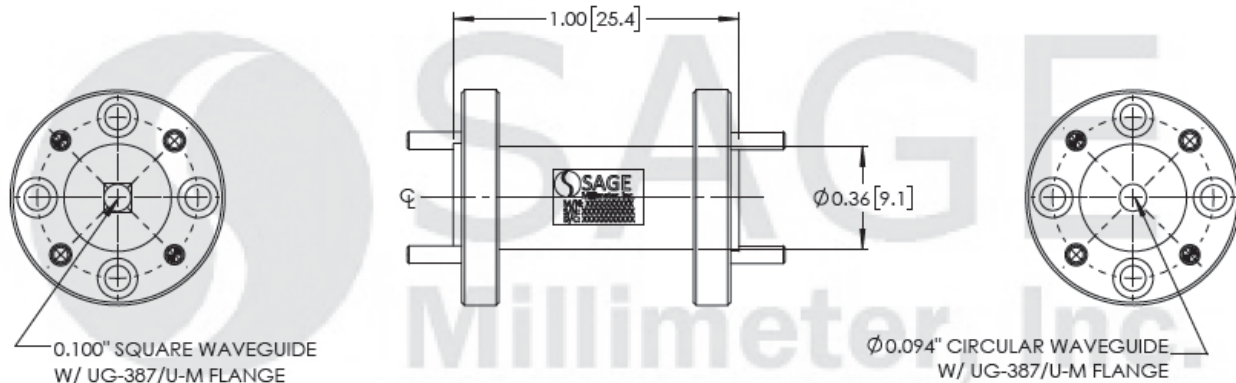
### Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

### Mechanical Specifications:

Item	Specification
Waveguide Size	0.100" x 0.100" Square Waveguide with UG387/U-M Flange
Waveguide Size	0.094" Diameter Circular Waveguide with UG387/U-M Flange
Material	Brass
Finish	Gold Plated
Weight	0.8 Oz
Insertion Length	1.0"
Outline	WT-WSC-100-094

### 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.

