

## 0.148" Square to 0.165" Circular Waveguide Mode Transition, Compact

### Description:

**Model SWT-148165-SB-C-QC** is a compact 0.148" Square Waveguide to 0.165" 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 nominal insertion loss and offers a return loss of 25 dB or better. The nominal operating frequency is 50 to 58 GHz.



### Features:

- Rugged Waveguide Configuration
- Low Insertion Loss
- Instrumentation Grade

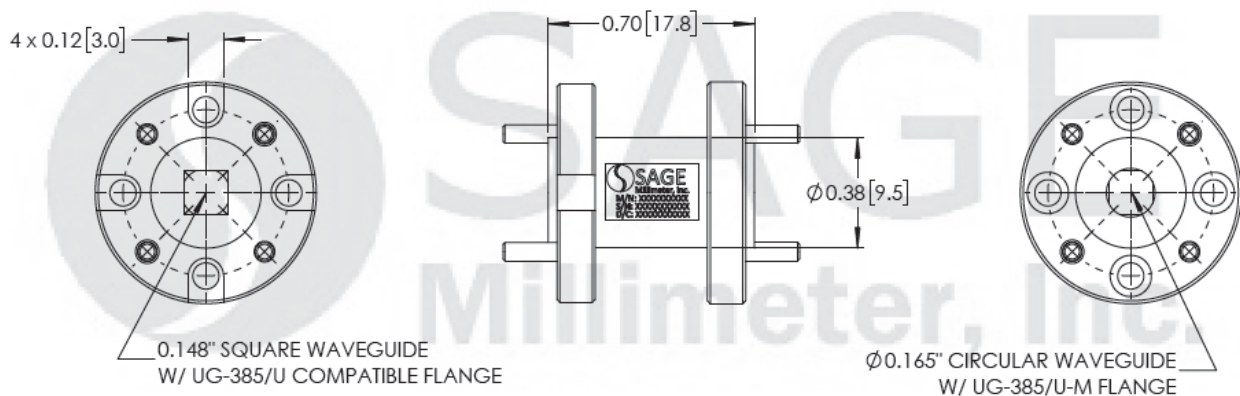
### Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

### Mechanical Specifications:

Item	Specifications
Waveguide Size	0.148" Square Waveguide with UG-385/U Compatible Flange
Waveguide Size	0.165" Circular Waveguide with UG-385/U-M Flange
Material	Brass
Finish	Gold Plated
Weight	0.35 Oz
Insertion Length	0.70"
Outline	WT-VSC-148-165-C

### 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.

