



## 0.340" Square to 0.315" Circular Waveguide Mode Transition, Compact

### Description:

**Model SWT-340315-SA-C-QC-599**, is a compact 0.340" Square Waveguide to 0.315" 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 25 dB or better. The nominal operating frequency is 26 to 33 GHz. The extended frequency coverage is 23 to 33 GHz.



### Features:

- Rugged Waveguide Configuration
- Low Insertion Loss
- Instrumentation Grade

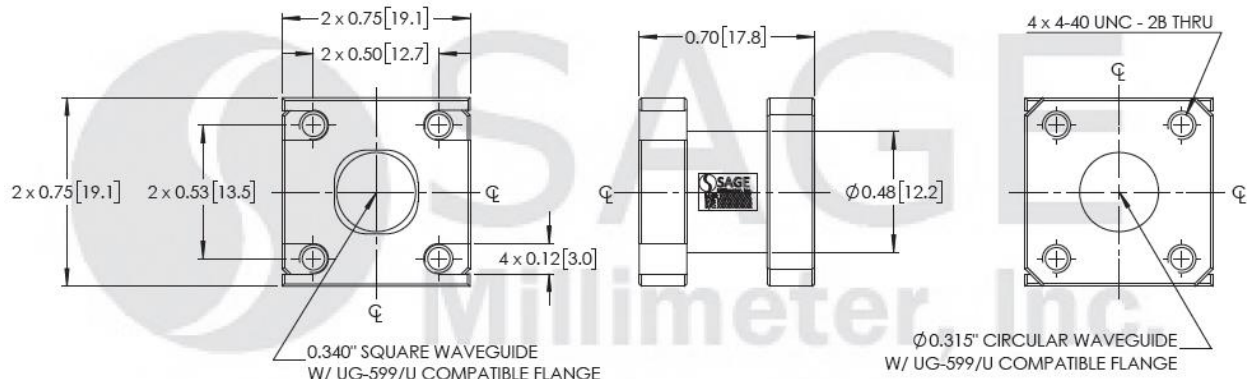
### Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

### Mechanical Specifications:

Item	Specifications
Waveguide Size	0.340" Square Waveguide with UG-599/U Compatible Flange
Waveguide Size	0.315" Circular Waveguide with UG-599/U Compatible Flange
Material	Aluminum
Finish	Gold Plated
Weight	0.35 Oz
Insertion Length	0.70"
Outline	WT-3SC-340-315-C-599

### 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.

