



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

### Description:

**Model SWT-280315-SA-C-QC**, is a compact 0.280" 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 dominate mode frequency range can be extended to cover 24 to 42 GHz if the higher order waveguide mode is not excited.



### Features:

- Rugged Waveguide Configuration
- Low Insertion Loss
- Instrumentation Grade

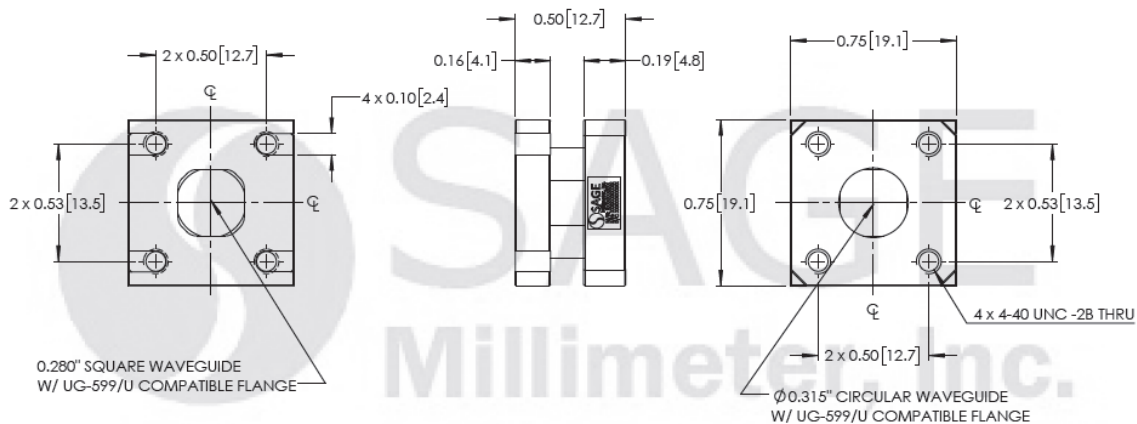
### Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

### Mechanical Specifications:

Item	Specifications
Waveguide Size	0.280" 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-ASC-280-315-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.



www.sagemillimeter.com | 3043 Kashiwa Street, Torrance, CA 90505  
 Phone: 424-757-0168 | Fax: 424-757-0188 | Email: sales@sagemillimeter.com