



## 0.224" Square to 0.219" Circular Waveguide Mode Transition, Compact

### Description:

**Model SWT-224219-SA-C-QC** is a compact 0.224" Square Waveguide to 0.219" 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 38.5 to 43 GHz.



### Features:

- Rugged Waveguide Configuration
- Low Insertion Loss
- Instrumentation Grade

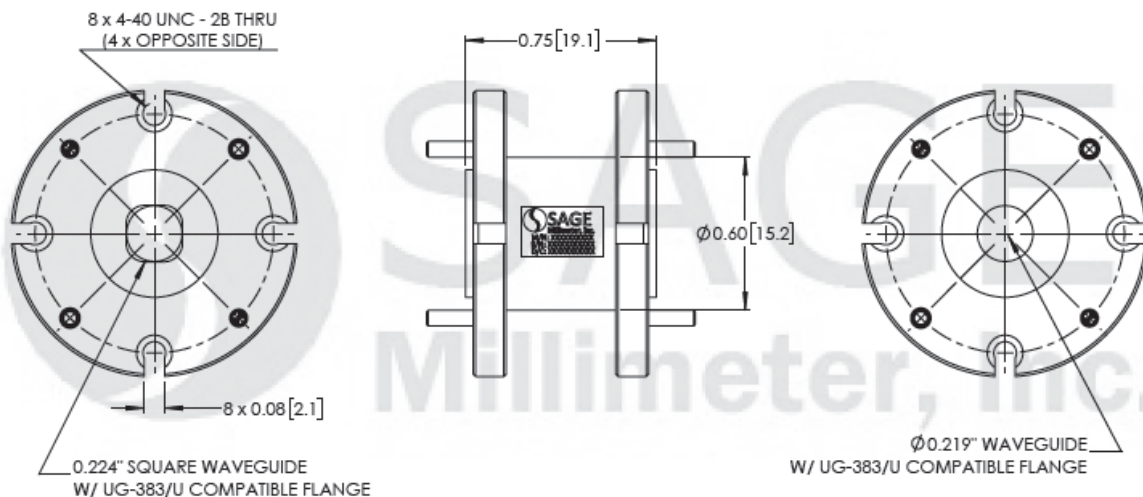
### Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

### Mechanical Specifications:

Item	Specifications
Waveguide Size	0.224" Square Waveguide with UG-383/U Compatible Flange
Waveguide Size	0.219" Circular Waveguide with UG-383/U Compatible Flange
Material	Brass
Finish	Gold Plated
Weight	1.8 oz
Insertion Length	0.75"
Outline	WT-QSC-224-219-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.



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