

SWT-340396-SA-C-QC-1.0

0.340" Square to Ø 0.396" Circular Waveguide Mode Transition, 1" Length

SWT-340396-SA-C-QC-1.0 is a compact 0.340" Square Waveguide to Ø0.396" 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 to 27.5 GHz. The dominate mode frequency range can be extended to cover 22 to 33 GHz if the higher order waveguide mode is not excited.

**Mechanical Specifications:**

| Item | Specification |
|-------------------------|--|
| Waveguide Size | 0.340" Square Waveguide with UG-595/U Flange |
| Waveguide Size | Ø 0.396" Circular Waveguide with UG-595/U-M Flange |
| Insertion Length | 1" |
| Material | Aluminum |
| Finish | Gold Plated |
| Outline | WT-3SC-340-396-C-1.0 |

ECCN

EAR99

FEATURES

- Rugged Waveguide Configuration
- Low Insertion Loss
- Instrumentation Grade

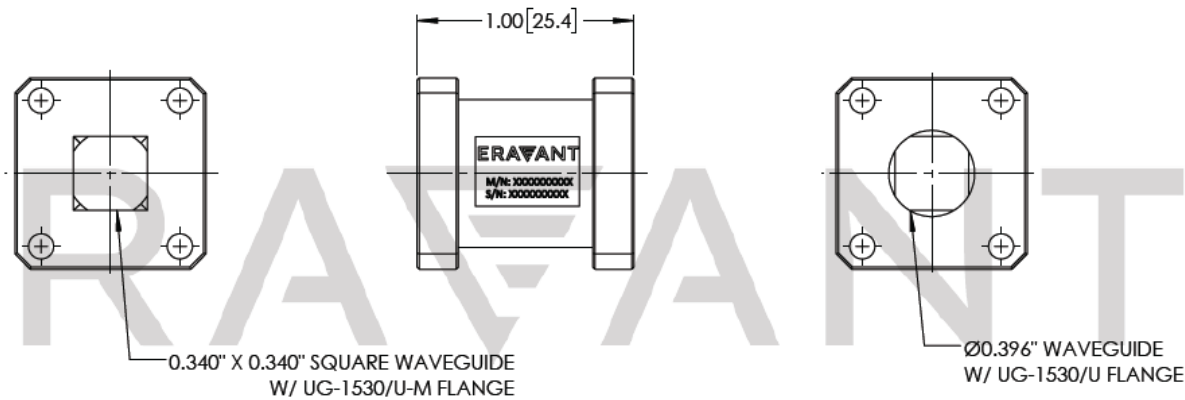
APPLICATIONS

- Test Lab
- Instrumentations
- System Integration

SUPPLEMENTAL DETAILS

SWT-340396-SA-C-QC-1.0

Mechanical Outline: (Unless otherwise specified, all dimensions are in inches [millimeters])



NOTE:

- Eravant reserves the right to change the information presented without notice.
- Other mechanical configurations are available under different model numbers.