

## WR-90 to Circular Waveguide Mode Transition, 0.938" Diameter

### Description:

**Model SWT-90938-SA-WP** is a WR-90 to 0.938" diameter 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 VSWR of 1.05:1 or better. The nominal operating frequency is 8.5 to 11.6 GHz. The dominate mode frequency range can be extended to cover 8.2 to 12.4 GHz if higher order waveguide mode is not excited.



### Features:

- Rugged Waveguide Configuration
- Low Insertion Loss
- Instrumentation Grade

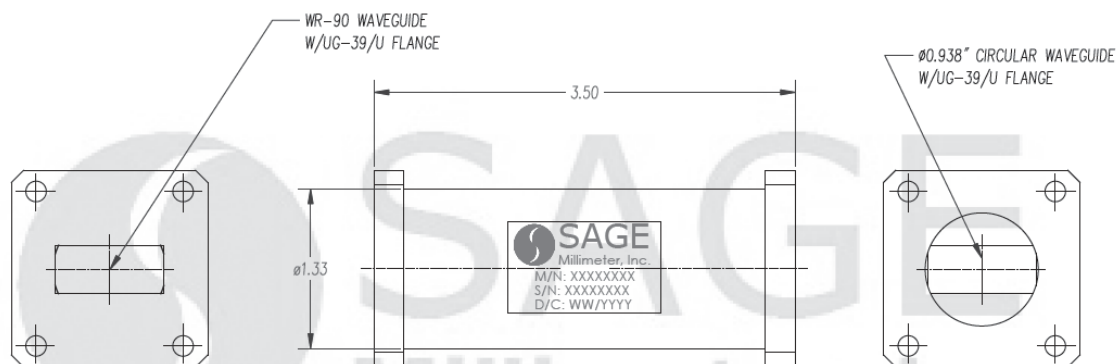
### Applications:

- Test Labs
- Test Instrumentation
- Sub-assemblies

### Mechanical Specifications:

Parameter	Connector
Waveguide Size	WR-90 Waveguide with UG-39/U Flange
Waveguide Size	Ø0.938" Circular Waveguide with UG-39/U-M Flange
Insertion Length	3.50"
Material	Aluminum
Finishing	Silver Plated
Weight	4.2 Oz
Outline	WT-XC-938

### Mechanical Outline: (Unless otherwise specified, all dimensions are in inches)



### Note:

- Eravant reserves the right to change the information presented without notice.



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