

SWT-03039-SB

WR-03 to Circular Waveguide Mode Transition,
0.039" Diameter

SWT-03039-SB is a WR-03 to 0.039" 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 return loss of 26 dB or better. The nominal operating frequency is 220 to 325 GHz. The dominate mode frequency range can be extended to cover 220 to 330 GHz if the higher order waveguide mode is not excited.



Mechanical Specifications:

Item	Specification
Waveguide	WR-03 Waveguide with UG-387/U-M Anti-Cocking Flange
Waveguide	0.039" Diameter Circular Waveguide with UG-387/U-M Anti-Cocking Flange
Material	Brass
Finish	Gold Plated
Insertion Length	1.0"
Outline	WT-03C-039-A

ECCN

EAR99

FEATURES

- Rugged Waveguide Configuration
- Low Insertion Loss
- Instrumentation Grade

APPLICATIONS

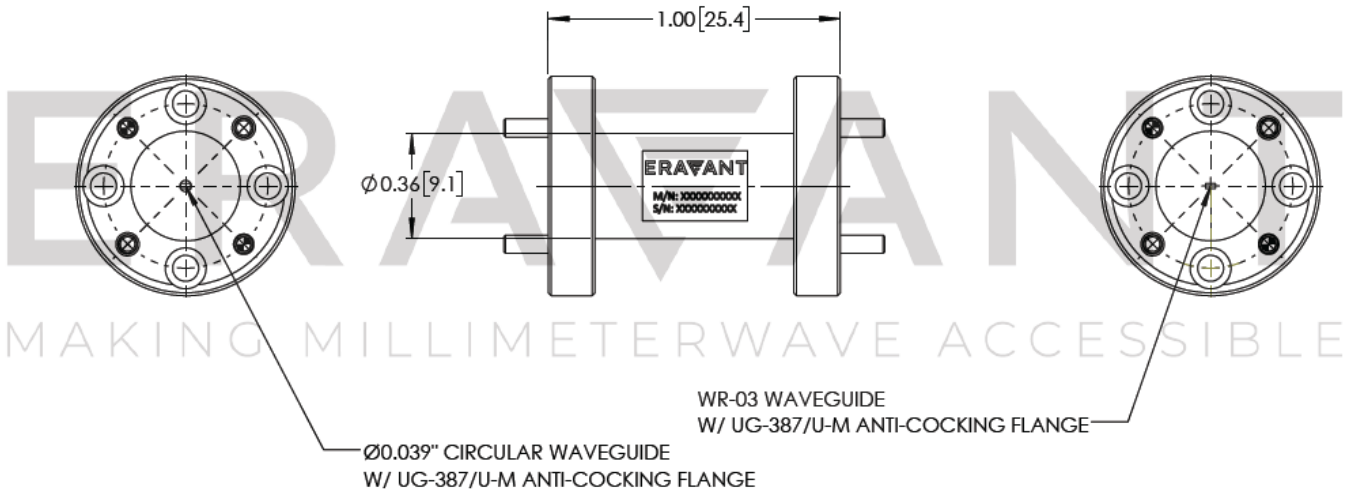
- Test Lab
- Instrumentations
- Sub-assemblies

SUPPLEMENTAL DETAILS



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



NOTE:

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

CAUTION:

- Any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.