

SWR-599563-250-S1

Ø0.250" Circular Waveguide Threaded Flange Adapter for Ranging Sensor Module

SWR-599563-250-S1 is a Ø0.250" circular waveguide threaded flange adapter with a UG-599/U-M flange on one end and a 9/16-24 UNEF external threaded interface on the other end. This adapter is designed to be used with Eravant's ranging sensor modules such as SSP-35310-NAN-D2 in order to convert the module's non-standard interface into a standard interface that is compatible with any antenna with the UG-599/U-M flange.

**Mechanical Specifications:**

Item	Specification
Interface 1	Ø 0.250" Circular Waveguide with UG-599/U-M Flange
Interface 2	9/16-24 UNEF External Thread
Material	Aluminum
Finish	Chem Film
Weight	0.3 oz.
Outline	WR-A-A563-250-0.71

ECCN

EAR99

FEATURES

- Compact Size

APPLICATIONS

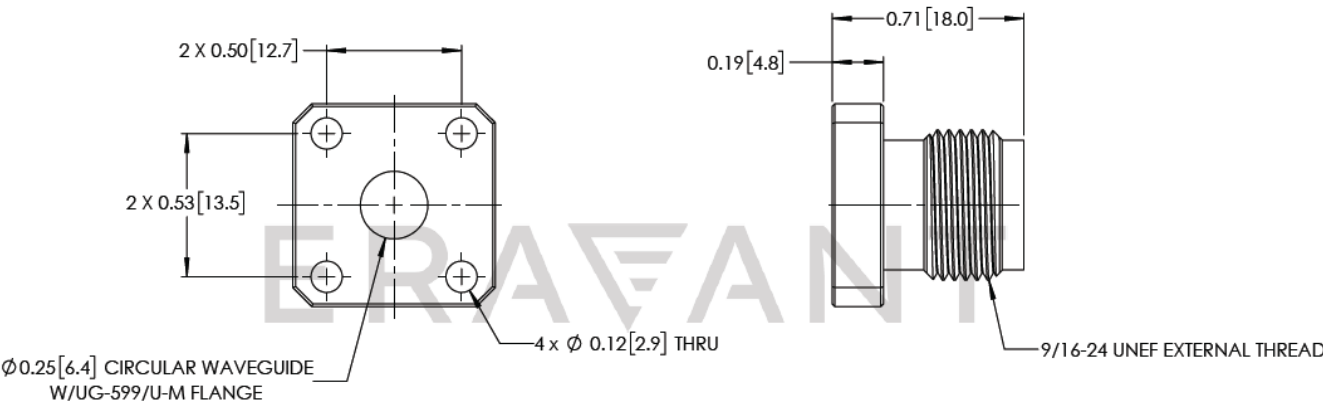
- Ranging Sensor Module
Antenna Integration

SUPPLEMENTAL DETAILS

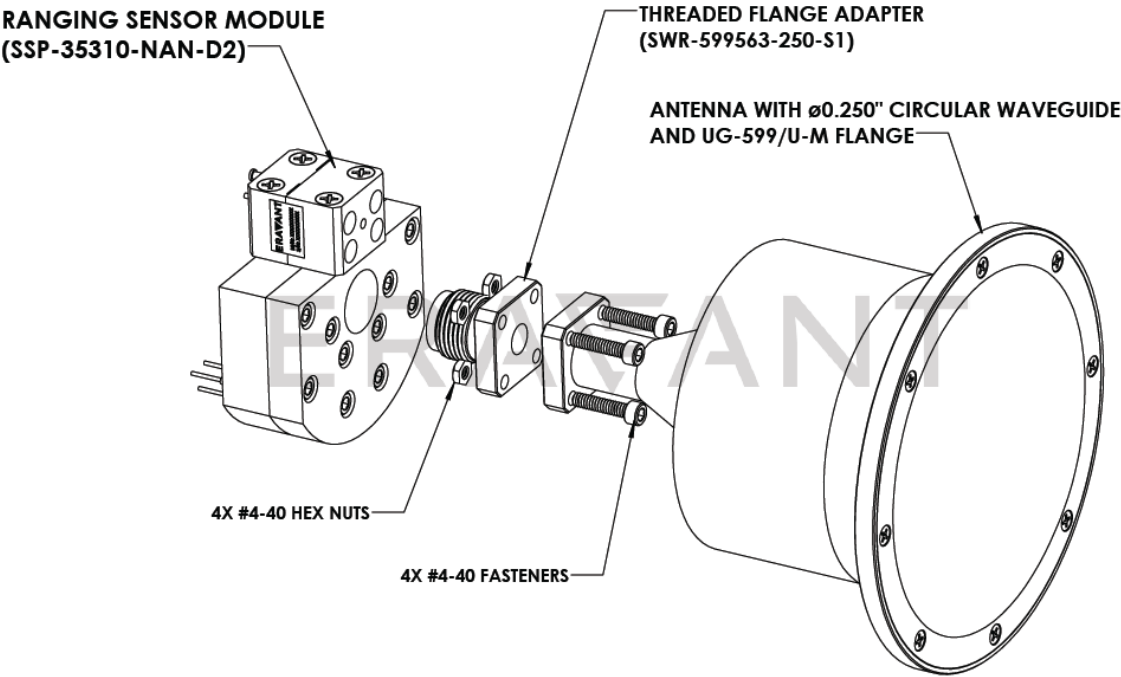
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Mechanical Outline:

Unless otherwise specified, all dimensions are in inches [millimeters]



EXAMPLE USAGE OF THREADED FLANGE ADAPTER



NOTE:

- On condition that test data is provided it is collected from a sample lot. Actual data may vary slightly from unit to unit. All testing is performed under +25 °C room temperature.
- On condition that simulated test data is provided, actual measured data may slightly vary.
- Eravant reserves the right to change the information presented without notice.

CAUTION:

- If a waveguide is present, any foreign objects in the waveguide will cause performance degradation and may damage or destroy the unit.
- For 1 mm connectors proper torque should be applied: 4.0 ± 0.15 inch-pounds (0.45 ± 0.02 Nm). Torque wrench model SCH-06004-S1 is highly recommended.
- For 1.35 mm, 1.85 mm, 2.4 mm, 2.92 mm, and SMA connectors proper torque should be applied: 8.0 ± 0.15 inch-pounds (0.90 ± 0.02 Nm). Torque wrench model SCH-08008-S1 is highly recommended

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