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WR-34 Band Waveguide to 2.92mm Connector Adapter, Right Angle

SWC-34KM-R1-WP is a right angle (90°) WR-34 waveguide to coax adapters that cover the frequency range of 22 to 33 GHz. They are designed and manufactured for instrumentation grade quality but offered at a commercial grade price, allowing for an efficient transition between the rectangular waveguide and 2.92 mm (K) coax connector. The end launch (180°) versions are offered under model numbers SWC-34KF-E1 and SWC-34KM-E1.

Electrical Specifications:

Parameter	Minimum	Typical	Maximum
Frequency Range	22 GHz		33 GHz
Insertion Loss		0.5 dB	
Return Loss		17 dB	
Power Handling			50 W (CW)
Specification Temperature		+25°C	
Operating Temperature	-40°C		+85°C

Mechanical Specifications:

Item	Specification
Waveguide	WR-34 Waveguide with UG-1530/U Flange
Coaxial Port	2.92 mm (K) Male
Material	Aluminum
Finish	Gold Plated
Weight	0.5 Oz
Outline	WC-3R

ECCN

EAR99

FEATURES

- Broad Band Coverage
- Lower Insertion Loss and VSWR
- Instrumentation Grade
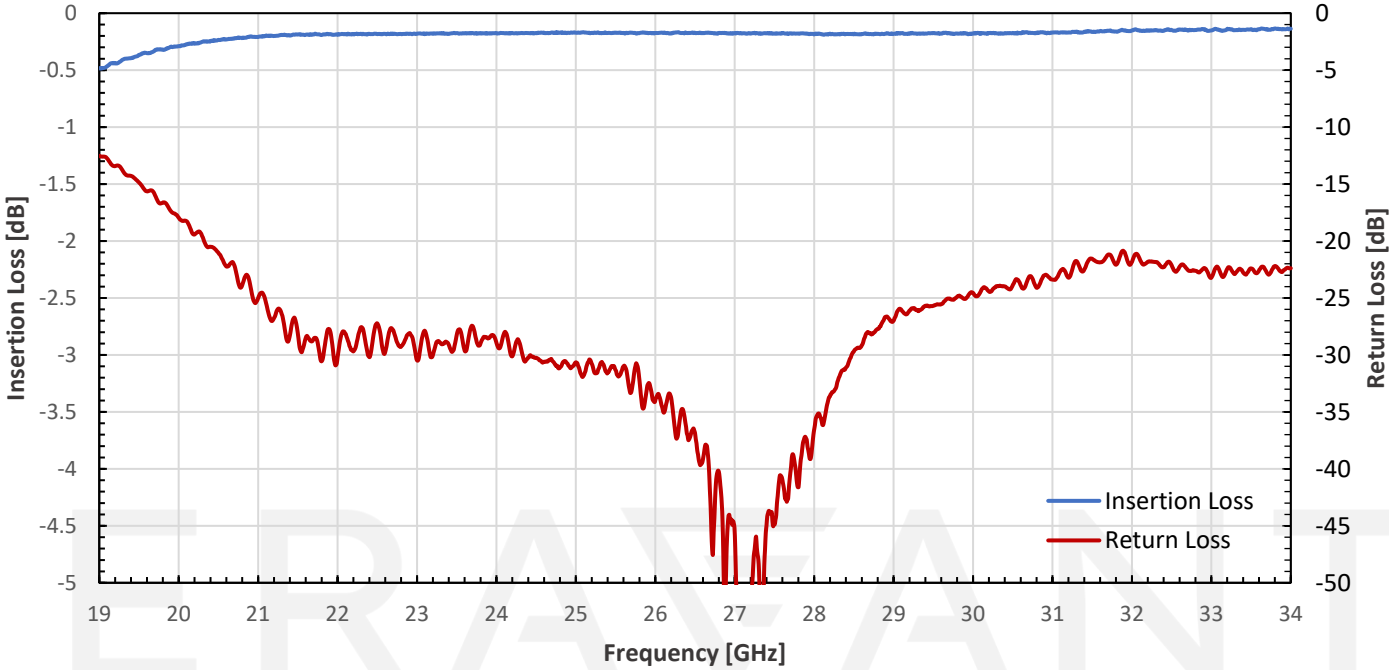- DC Open Circuit

APPLICATIONS

- Test Lab
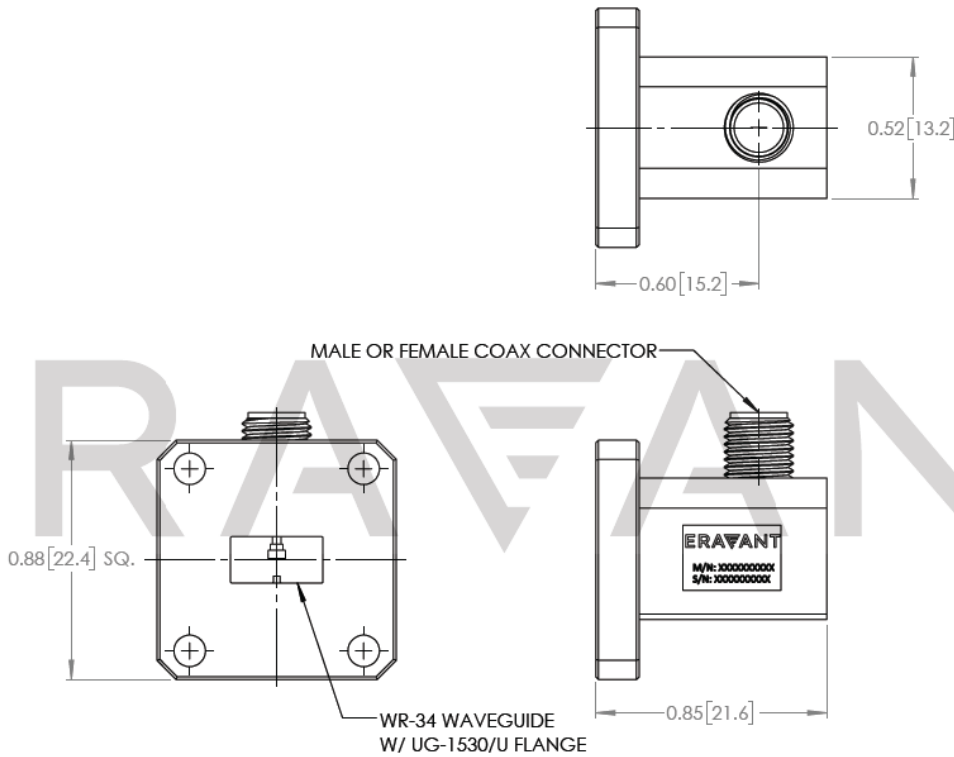- Instrumentations
- Sub-assemblies

SUPPLEMENTAL DETAILS

RoHS

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Typical Performance vs. Frequency

Mechanical Outline:

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

0.52[13.2]

0.60[15.2]

MALE OR FEMALE COAX CONNECTOR

0.88[22.4] SQ.

WR-34 WAVEGUIDE
W/ UG-1530/U FLANGE

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M/N: XXXXXXXXXXX
S/N: XXXXXXXXXXX

0.85[21.6]

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