

## WR-62 Seamless Flexible Waveguide in 12 Inch Using UG-419/U Square Cover Flange with a 12.4 GHz to 18 GHz Frequency Range

The SMW62SF005-12 is part of Fairview Microwave's family of flexible, seamless waveguides which operates in the 12.4 to 18 GHz range. The waveguide body is made of silver plated brass. It can be bent in both the E and H planes without impairing VSWR or attenuation. The waveguide is covered by a neoprene jacket which protects the waveguide and provides mechanical support.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	12.4		18	GHz
VSWR		1.08:1		
Insertion Loss		0.14		dB
Input Power			1	kWatts
Peak Power			100	kWatts

### Mechanical Specifications

Waveguide Size	WR-62
Waveguide Design	Seamless
Section Length	12 in [304.8 mm]
E-Plane Minimum Bend Radius, One Time	0.71 in [18.03 mm]
H-Plane Minimum Bend Radius, One Time	1.18 in [29.97 mm]
Maximum Offset Rotation, One Time	45 degrees/ft

Description	Flange 1	Waveguide	Flange 2
Type	Square Cover	WR-62	Square Cover
Designation	UG-419/U		UG-419/U
Material	Brass	Copper	Brass
Plating		Silver	
Color	Gold	Black	Gold

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:

- Notes, Plotted Data



### Features:

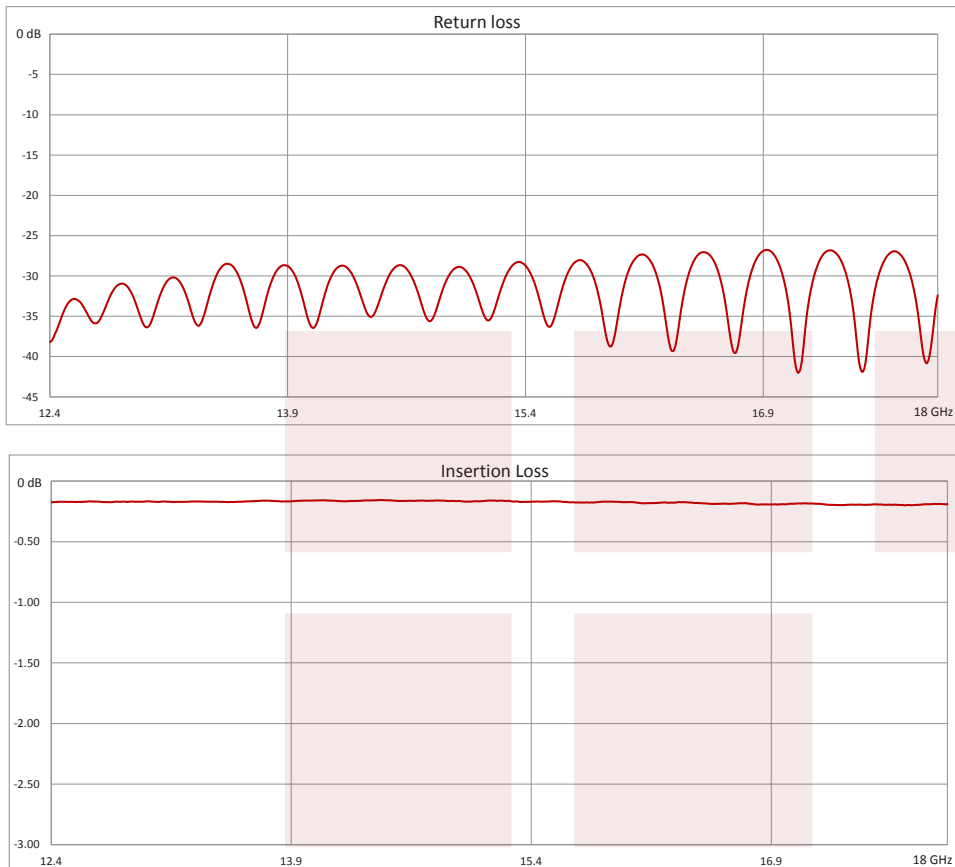
- WR-62 waveguide
- Flexes in both the E and H plane
- 12.4 GHz to 18 GHz Frequency Range
- Brass flanges with a silver plated brass body
- Neoprene sleeve provides added protection and mechanical support

### Applications:

- Allows expansion/contraction due to thermal issues.
- Test Benches
- Microwave Radio
- Eliminates installation problems caused by misalignment.
- Pressurized waveguide systems
- Provides vibration isolation

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### Typical Performance Data

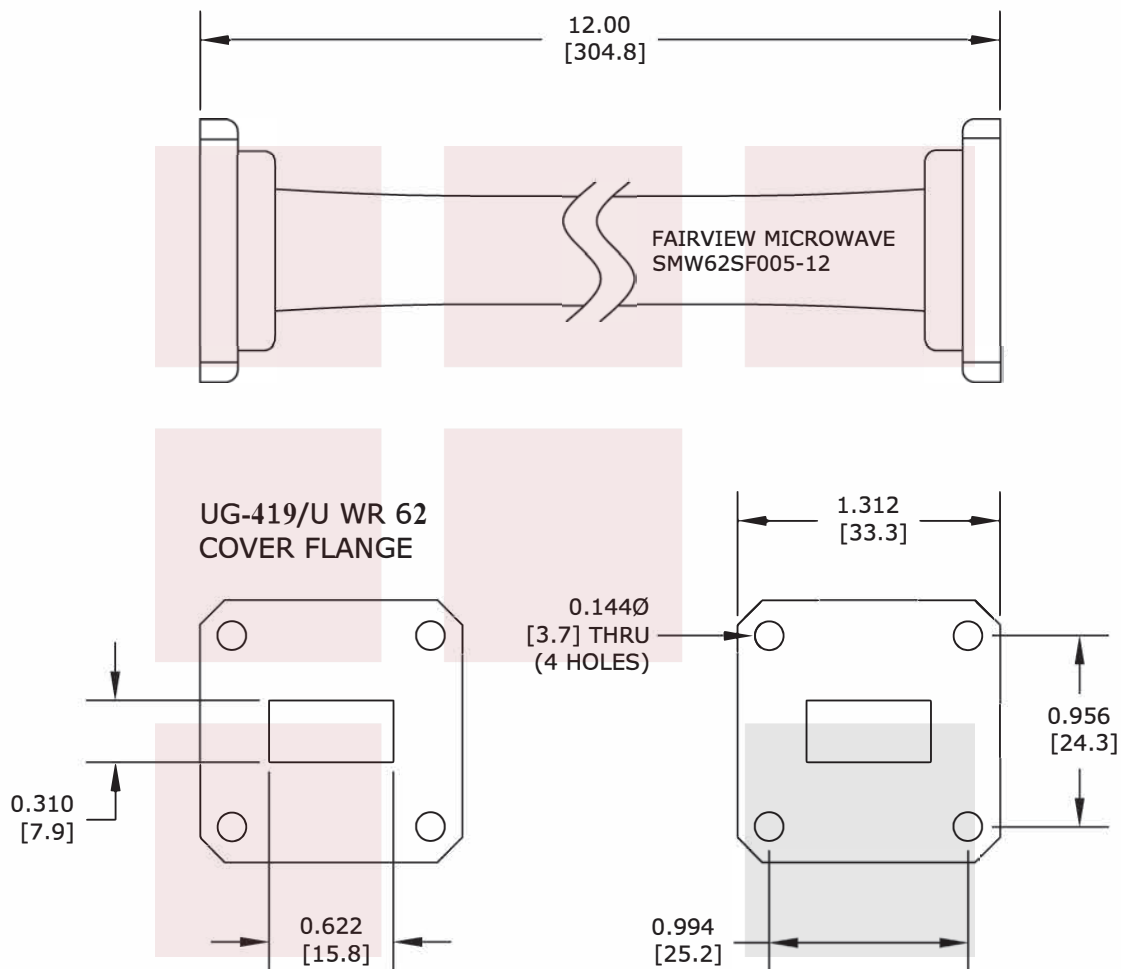


WR-62 Seamless Flexible Waveguide in 12 Inch Using UG-419/U Square Cover Flange with a 12.4 GHz to 18 GHz Frequency Range from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-62 Seamless Flexible Waveguide in 12 Inch Using UG-419/U Square Cover Flange with a 12.4 GHz to 18 GHz Frequency Range SMW62SF005-12](https://www.fairviewmicrowave.com/wr-62-seamless-flexible-waveguide-ug419-square-12.4-18-ghz-smw62sf005-12-p.aspx)

URL: <https://www.fairviewmicrowave.com/wr-62-seamless-flexible-waveguide-ug419-square-12.4-18-ghz-smw62sf005-12-p.aspx>

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TITLE WR-62 Seamless Flexible Waveguide in 12 Inch Using UG-419/U Square Cover Flange with a 12.4 GHz to 18 GHz Frequency Range		DWG NO <b>SMW62SF005-12</b>		CAGE CODE <b>3FKR5</b>	
CAD FILE	101315	SHEET	SCALE	N/A	SIZE A 2233