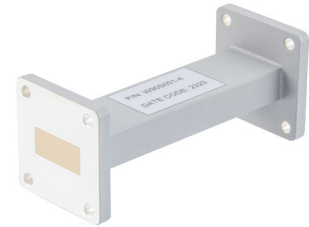


## WR-90 Waveguide Section 4 Inch Length Using UG Square Cover and Grooved Flange from 8.2 GHz to 12.5 GHz in Brass

Fairview Microwave's FMW90S001-4 is a 4 inch WR-90 straight waveguide section that operates from 8.2 GHz to 12.5 GHz. This straight waveguide section offers a maximum 1.05:1 VSWR. The input of this straight waveguide section has a UG Cover and Grooved Flange. FMW90S001-4 is part of over 40,000 RF, microwave and millimeter wave components. WR-90 straight waveguide section will ship worldwide the same day it is purchased along with our other RF components.



### Electrical Specifications\*

Description	Min	Typ	Max	Units
Frequency Range	8.2		12.5	GHz
VSWR			1.05:1	
Insertion Loss Max			0.2	dB

\* Values at 25°C, sea level

### Mechanical Specifications

Waveguide Size	WR-90
Section Length	3.94 in [100.08 mm]
<b>Flange 1</b>	
Flange Type	UG Cover
Material	Brass
<b>Waveguide</b>	
Interface	WR-90
Material	Brass
Plating	Silver
<b>Flange 2</b>	
Flange Type	UG Grooved
Material	Brass
<b>Size</b>	
Weight	0.44 lbs [199.58 g]

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

### Plotted and Other Data

Notes:

- Values at 25 °C, sea level

### Features:

- WR-90 Waveguide Section
- UG Grooved and Cover Flanges
- Frequency Range 8.2 GHz to 12.5 GHz
- 4 inch length
- Maximum VSWR 1.05:1
- Metrology grade for VNA calibration

### Applications:

- Transmission Systems
- Test and Laboratory Setups
- VNA Calibration

Fairview Microwave  
301 Leora Ln., Suite 100  
Lewisville, TX 75056  
Tel: 1-800-715-4396 / (972) 649-6678  
Fax: (972) 649-6689  
[www.fairviewmicrowave.com](http://www.fairviewmicrowave.com)  
[sales@fairviewmicrowave.com](mailto:sales@fairviewmicrowave.com)

WR-90 Waveguide Section 4 Inch Length Using UG Square Cover and Grooved Flange from 8.2 GHz to 12.5 GHz in Brass 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-90 Waveguide Section 4 Inch Length Using UG Square Cover and Grooved Flange from 8.2 GHz to 12.5 GHz in Brass FMW90S001-4](#)

URL: <https://www.fairviewmicrowave.com/wr-90-waveguide-section-straight-ug-fmw90s001-4-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.



