

## WR-8 Waveguide Section 3 Inch Straight Length with UG-387/U-Mod Round Cover Flange from 90 GHz to 140 GHz

Fairview's Microwave FMW08S000-3 is a 3 inch WR-8 straight waveguide section that operates from 90 GHz to 140 GHz. This straight waveguide section offers a typical 0.3 dB insertion loss and a typical 1.15 VSWR. The input of this straight waveguide section has a UG-387/U-M Flange. FMW08S000-3 is part of over 40,000 RF, microwave and millimeter wave components. WR-8 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	90		140	GHz
VSWR		1.15:1		
Insertion Loss		0.3		dB

\* Values at 25°C, sea level

### Features:

- 3" Length
- WR-8 Waveguide
- UG-387/U-M Flange
- 90 GHz to 140 GHz Frequency Range
- Comprehensive waveguide offering also includes E-Bends, H-Bends, Waveguide to Coax Adapters, Filters, Terminations, and more.

### Mechanical Specifications

Waveguide Size	WR-8
Section Length	3 in [76.2 mm]
<b>Flange 1</b>	
Flange Type	Round Cover
Flange Designation	UG-387/U-Mod
Material	Oxygen Free Hard Copper
Plating	Gold
<b>Waveguide</b>	
Interface	WR-8
Material	Oxygen Free Hard Copper
Plating	Gold
<b>Flange 2</b>	
Flange Type	Round Cover
Flange Designation	UG-387/U-Mod
Material	Oxygen Free Hard Copper
Plating	Gold
<b>Size</b>	
Weight	0.044 lbs [19.96 g]

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

### Plotted and Other Data

Notes:

- Values at 25 °C, sea level

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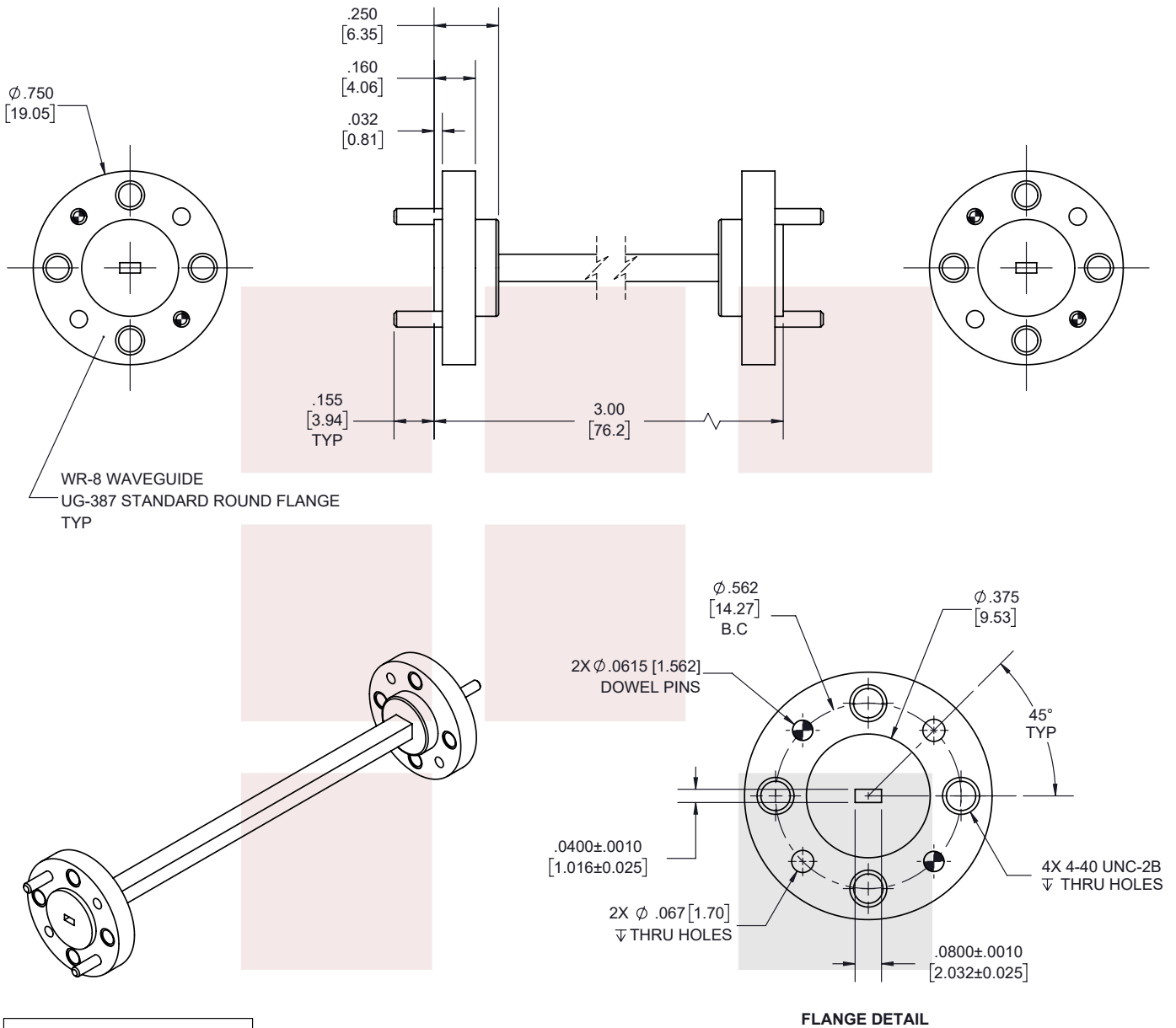
WR-8 Waveguide Section 3 Inch Straight Length with UG-387/U-Mod Round Cover Flange from 90 GHz to 140 GHz from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-8 Waveguide Section 3 Inch Straight Length with UG-387/U-Mod Round Cover Flange from 90 GHz to 140 GHz FMW08S000-3](#)

URL: <https://www.fairviewmicrowave.com/wr-8-waveguide-section-straight-ug387-mod-round-fmw08s000-3-p.aspx>

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STANDARD TOLERANCES	
.X	±0.2
.XX	±0.01
.XXX	±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

<p><b>Fairview Microwave</b> an INFINIT® brand</p>		<p>NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].</p>			
TITLE		DWG NO		CAGE CODE	
WR-8 Waveguide Section 3 Inch Straight Length with UG-387/U-Mod Round Cover Flange from 90 GHz to 140 GHz		FMW08S000-3		3FKR5	
CAD FILE	08/05/19	SHEET	1 OF 1	SCALE	N/A
				SIZE	A
					7361