

WR-12 Waveguide Section 3 Inch Straight Length with UG-387/U Round Cover Flange from 60 GHz to 90 GHz in Instrumentation Grade

Fairview's FMW12S010-3 is a 3 inch WR-12 straight waveguide section that operates from 60 GHz to 90 GHz. This straight waveguide section offers a typical 0.3 dB insertion loss and a typical 1.06 VSWR. The input of this straight waveguide section has a UG-387/U Round Cover flange. FMW12S010-3 is part of over 40,000 RF, microwave and millimeter wave components. Our instrumentation grade WR-12 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	60		90	GHz
VSWR		1.06:1	1.15:1	
Insertion Loss		0.3		dB

* Values at 25°C, sea level

Features:

- 3" Length
- WR-12 Waveguide
- UG-387/U Round Cover Flange
- 60 GHz to 90 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-12
Waveguide Design	Instrumentation Grade
Section Length	3 in [76.2 mm]
Flange 1	
Flange Type	Round Cover
Flange Designation	UG-387/U
Material	Oxygen Free Hard Copper
Plating	Gold
Waveguide	
Interface	WR-12
Material	Oxygen Free Hard Copper
Plating	Gold
Flange 2	
Flange Type	Round Cover
Flange Designation	UG-387/U
Material	Oxygen Free Hard Copper
Plating	Gold
Size	
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

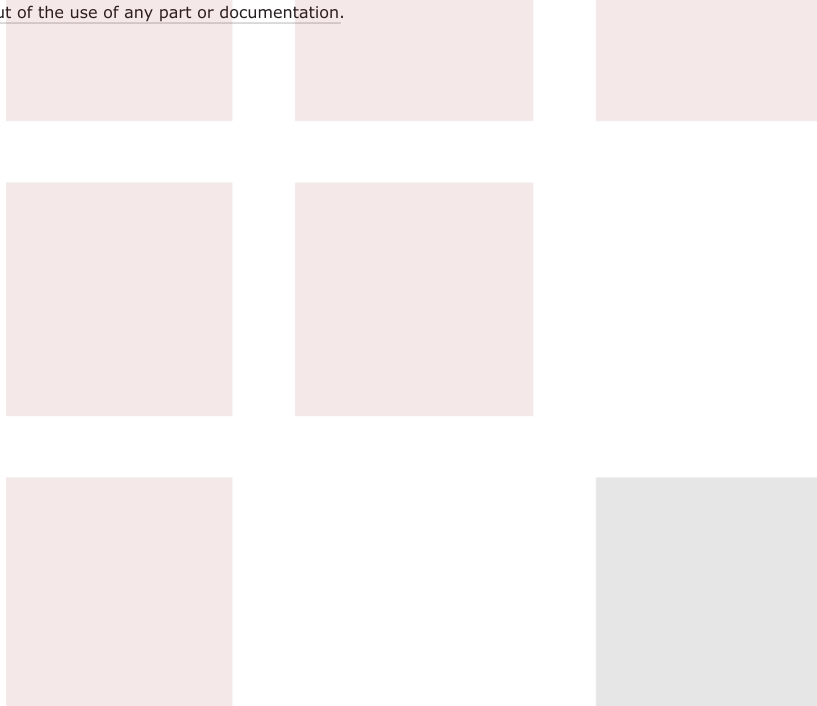
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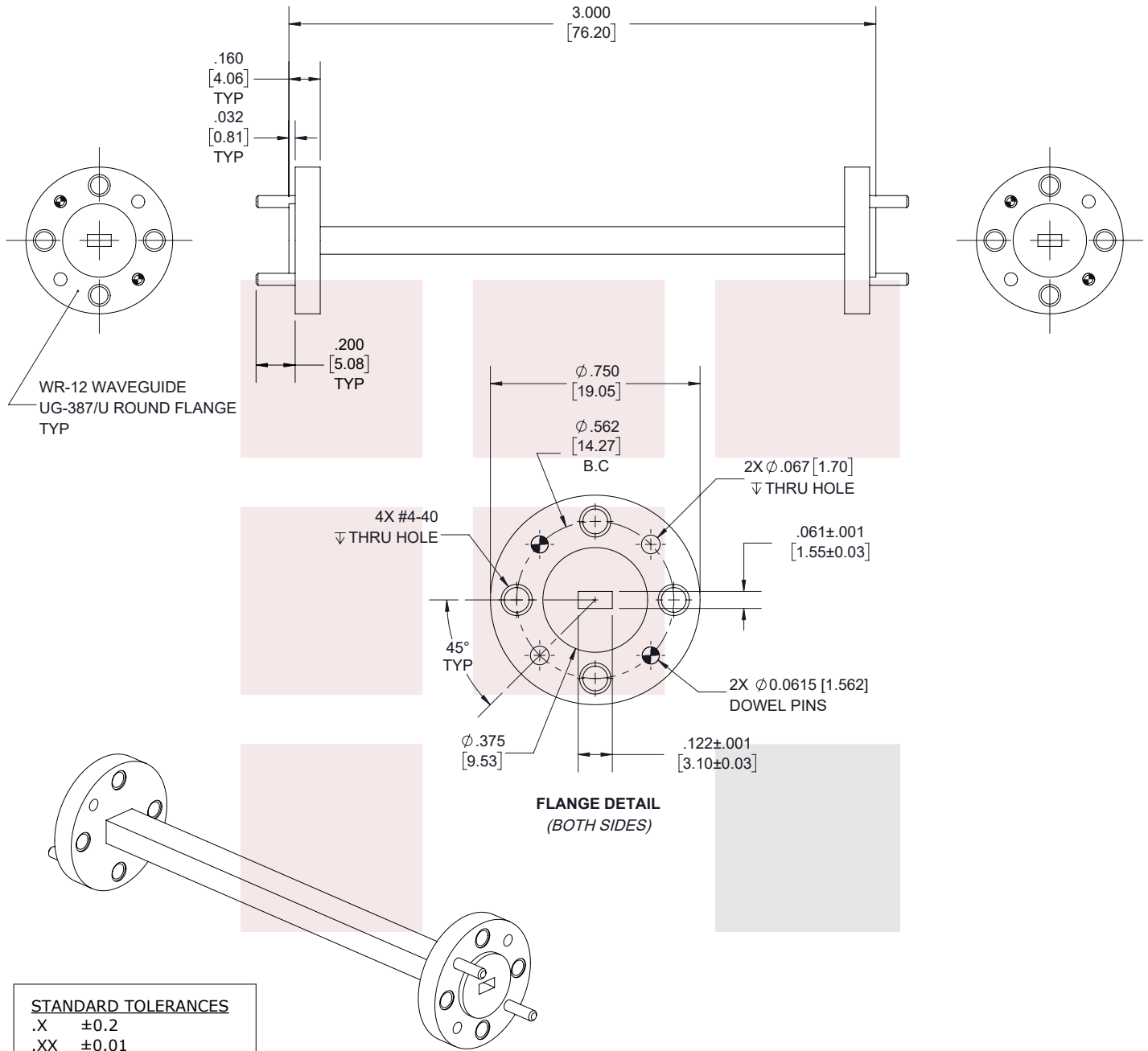
WR-12 Waveguide Section 3 Inch Straight Length with UG-387/U Round Cover Flange from 60 GHz to 90 GHz in Instrumentation Grade from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-12 Waveguide Section 3 Inch Straight Length with UG-387/U Round Cover Flange from 60 GHz to 90 GHz in Instrumentation Grade FMW12S010-3](#)

URL: <https://www.fairviewmicrowave.com/wr-12-waveguide-section-straight-ug387-round-instrumentation-fmw12s010-3-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>Fairview Microwave 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>			
<p>TITLE WR-12 Waveguide Section 3 Inch Straight Length with UG-387/U Round Cover Flange from 60 GHz to 90 GHz in Instrumentation Grade</p>		<p>DWG NO FMW12S010-3</p>		<p>CAGE CODE 3FKR5</p>	
CAD FILE	05/30/19	SHEET	1 OF 1	SCALE	N/A
				SIZE	A
					7361