

WR-12 Waveguide Section 9 Inch Straight Length with UG-387/U Round Cover Flange from 60 GHz to 90 GHz in Instrumentation Grade

Fairview's FMW12S010-9 is a 9 inch WR-12 straight waveguide section that operates from 60 GHz to 90 GHz. This straight waveguide section offers a typical 0.8 dB insertion loss and a typical 1.06 VSWR. The input of this straight waveguide section has a UG-387/U Round Cover flange. FMW12S010-9 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		
Insertion Loss		0.8		dB

* Values at 25°C, sea level

Mechanical Specifications

Waveguide Size	WR-12
Waveguide Design	Instrumentation Grade
Section Length	9 in [228.6 mm]
Flange 1	
Flange Type	Round Cover
Flange Designation	UG-387/U
Material	Brass
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	Brass
Plating	Gold
Size	
Weight	0.094 lbs [42.64 g]

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

Plotted and Other Data

Notes:

- Values at 25 °C, sea level



Features:

- 9" 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.

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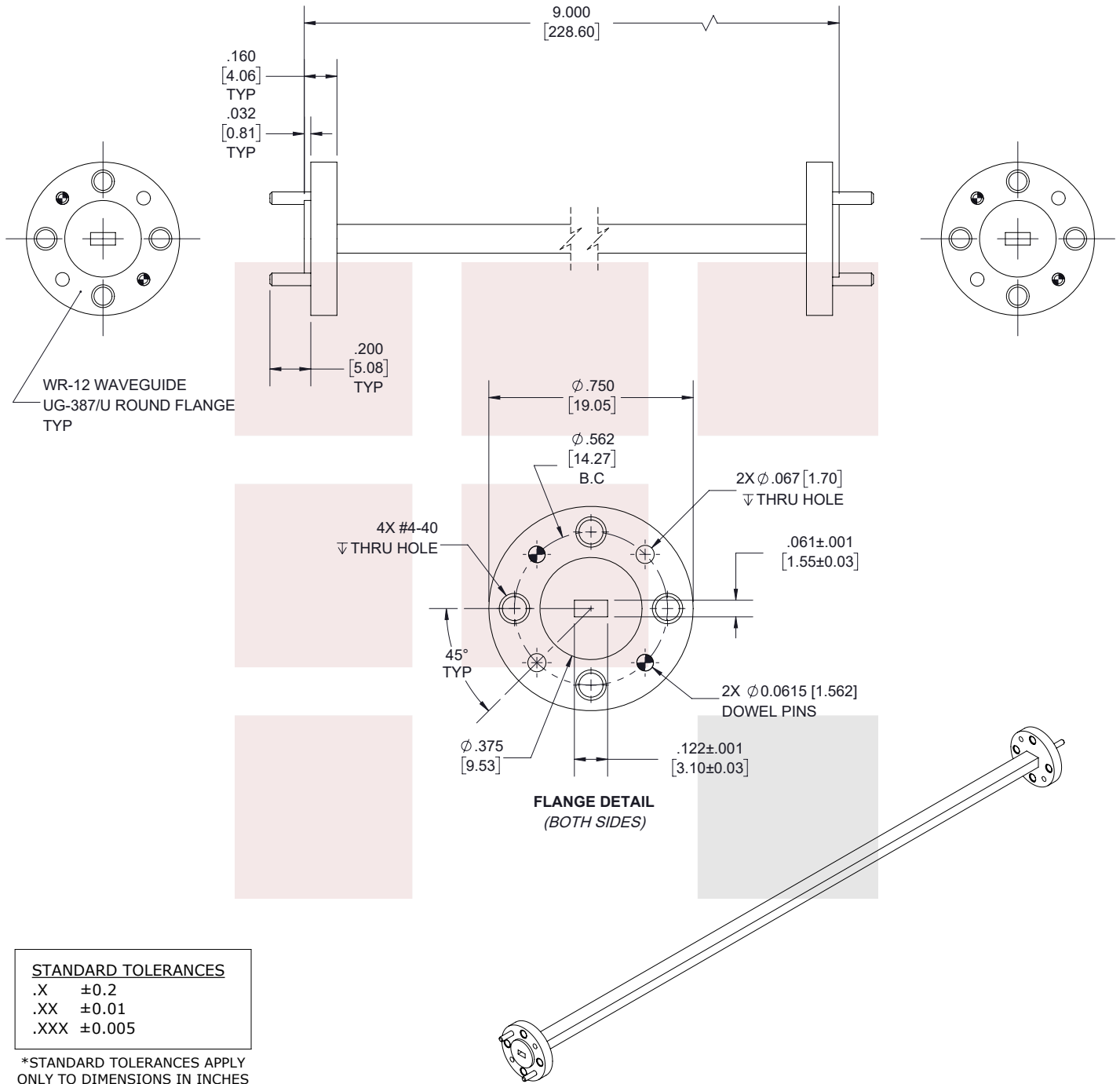
WR-12 Waveguide Section 9 Inch Straight Length with UG-387/U Round Cover Flange from 60 GHz to 90 GHz in Instrumentation Grade from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-12 Waveguide Section 9 Inch Straight Length with UG-387/U Round Cover Flange from 60 GHz to 90 GHz in Instrumentation Grade FMW12S010-9](#)

URL: <https://www.fairviewmicrowave.com/wr-12-waveguide-section-straight-ug387-round-instrumentation-fmw12s010-9-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

- 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].

TITLE
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DWG NO	FMW12S010-9	CAGE CODE	3FKR5					
CAD FILE	05/30/19	SHEET	1 OF 1	SCALE	N/A	SIZE	A	7361