

WR-10 Waveguide Section 3 Inch Straight Length with UG-387/U-Mod Round Cover Flange from 75 GHz to 110 GHz in Instrumentation Grade

Fairview's FMW10S010-3 is a 3 inch WR-10 straight waveguide section that operates from 75 GHz to 110 GHz. This straight waveguide section offers a typical 0.25 dB insertion loss and a typical 1.06 VSWR. The input of this straight waveguide section has a UG-387/U-M Round Cover flange. FMW10S010-3 is part of over 40,000 RF, microwave and millimeter wave components. Our instrumentation grade WR-10 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	75		110	GHz
VSWR		1.06:1		
Insertion Loss		0.25		dB

* Values at 25°C, sea level

Features:

- 3" Length
- WR-10 Waveguide
- UG-387/U-M Round Cover Flange
- 75 GHz to 110 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-10
Waveguide Design	Instrumentation Grade
Section Length	3 in [76.2 mm]
Flange 1	
Flange Type	Round Cover
Flange Designation	UG-387/U-Mod
Material	Brass
Plating	Gold
Waveguide	
Interface	WR-10
Material	Oxygen Free Hard Copper
Plating	Gold
Flange 2	
Flange Type	Round Cover
Flange Designation	UG-387/U-Mod
Material	Brass
Plating	Gold
Size	
Weight	0.056 lbs [25.4 g]

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

Plotted and Other Data

Notes:

- Values at 25 °C, sea level

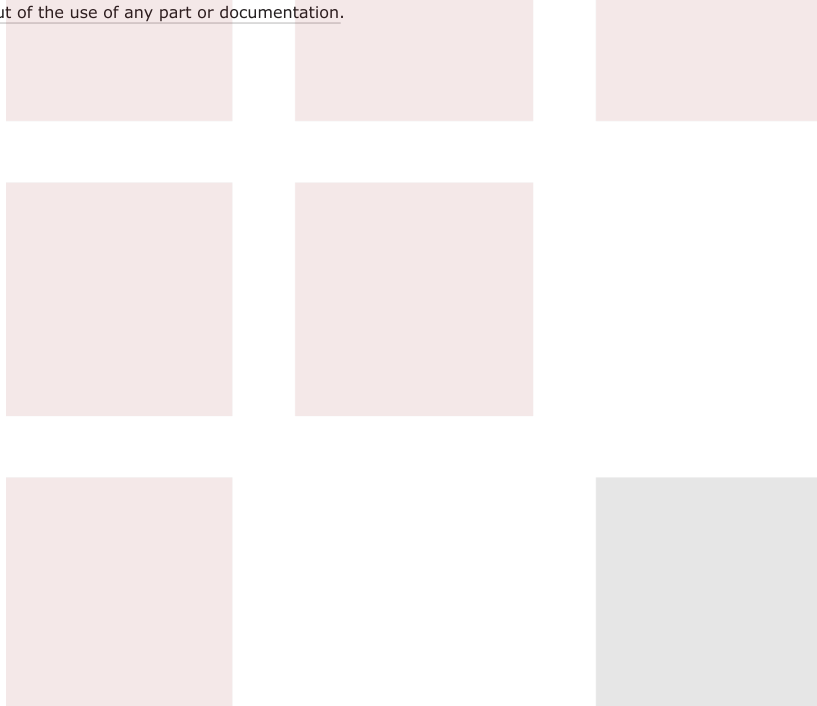
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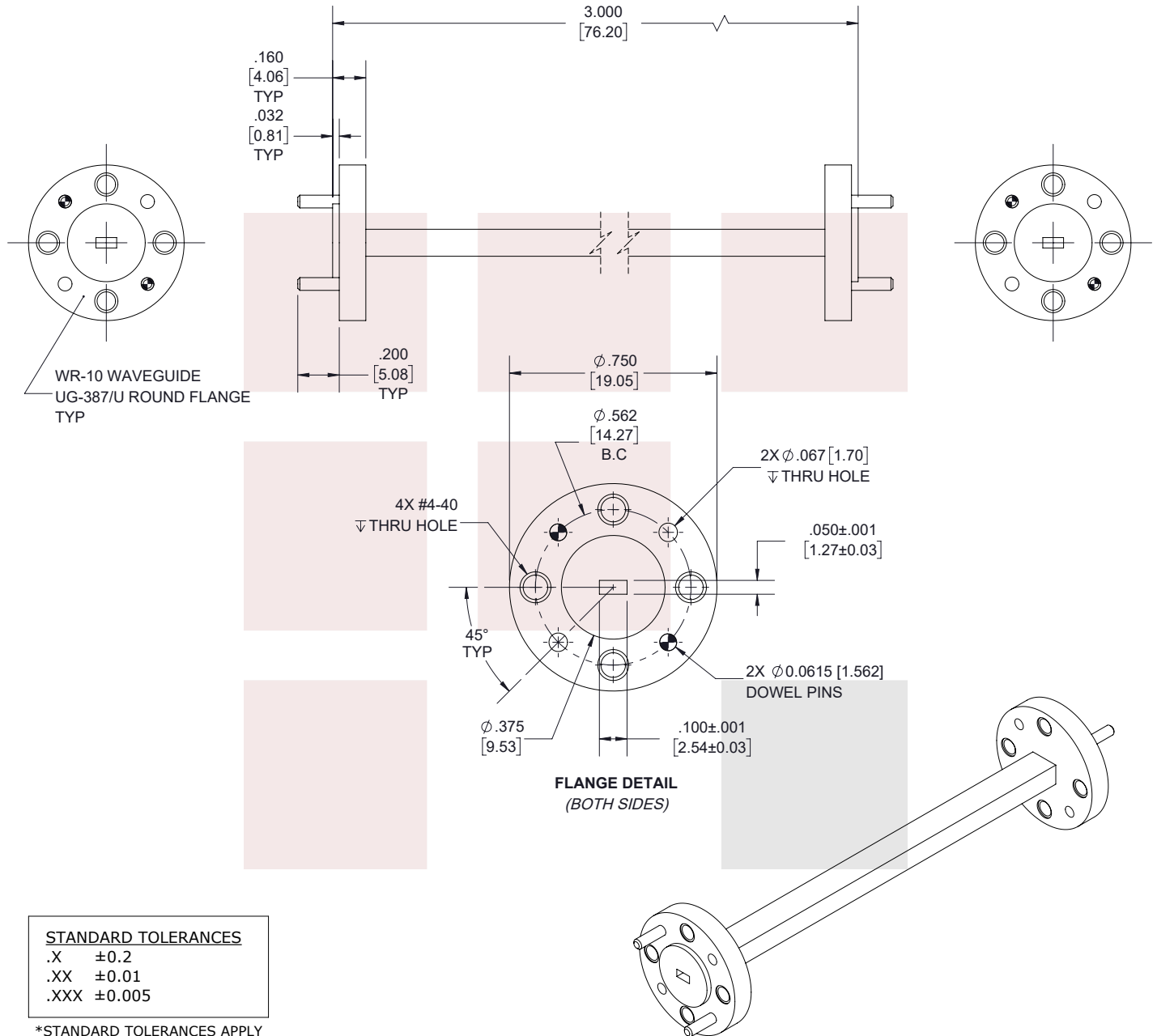
WR-10 Waveguide Section 3 Inch Straight Length with UG-387/U-Mod Round Cover Flange from 75 GHz to 110 GHz in Instrumentation Grade from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-10 Waveguide Section 3 Inch Straight Length with UG-387/U-Mod Round Cover Flange from 75 GHz to 110 GHz in Instrumentation Grade FMW10S010-3](#)

URL: <https://www.fairviewmicrowave.com/wr-10-waveguide-section-straight-ug387-mod-round-instrumentation-fm-w10s010-3-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

		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 WR-10 Waveguide Section 3 Inch Straight Length with UG-387/U-Mod Round Cover Flange from 75 GHz to 110 GHz in Instrumentation Grade		DWG NO FMW10S010-3	CAGE CODE 3FKR5
CAD FILE	05/31/19	SHEET	1 OF 1
SCALE	N/A	SIZE	A
		7361	