

## WR-6 Waveguide E-Bend Instrumentation Grade Using UG-387/U-M Flange with a 110 GHz to 170 GHz Frequency Range

Fairview's Microwave FMW6B0000 is an E-Plane, 90 degree, WR-6 waveguide bend that operates from 110 GHz to 170 GHz. This waveguide bend offers a typical 0.35 dB insertion loss and a typical 1.15 VSWR. The input of this straight waveguide section has a UG-387/U-M Flange. FMW6B0000 is part of over 40,000 RF, microwave and millimeter wave components. WR-6 waveguide bend will ship worldwide the same day it is purchased along with our other RF components.



### Electrical Specifications\*

Description	Min	Typ	Max	Units
Frequency Range	110		170	GHz
VSWR		1.15:1		
Insertion Loss		0.35		dB

\* Values at 25°C, sea level

### Mechanical Specifications

Waveguide Size WR-6  
 Waveguide Design Instrumentation Grade

#### Flange 1

Flange Type Round Cover  
 Flange Designation UG-387/U-M  
 Material Oxygen Free Hard Copper  
 Plating Gold

#### Waveguide

Interface WR-6  
 Material Oxygen Free Hard Copper  
 Plating Gold

#### Flange 2

Flange Type Round Cover  
 Flange Designation UG-387/U-M  
 Material Oxygen Free Hard Copper  
 Plating Gold

#### Size

Weight 0.044 lbs [19.96 g]

### Features:

- 90° Bend
- E-Plane
- WR-6 Waveguide
- UG-387/U-M Flange
- 110 GHz to 170 GHz Frequency Range
- Comprehensive waveguide offering also includes Straight Sections, H-Bends, Waveguide to Coax Adapters, Filters, Terminations, and more.

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

### Plotted and Other Data

Notes:

- Values at 25 °C, sea level

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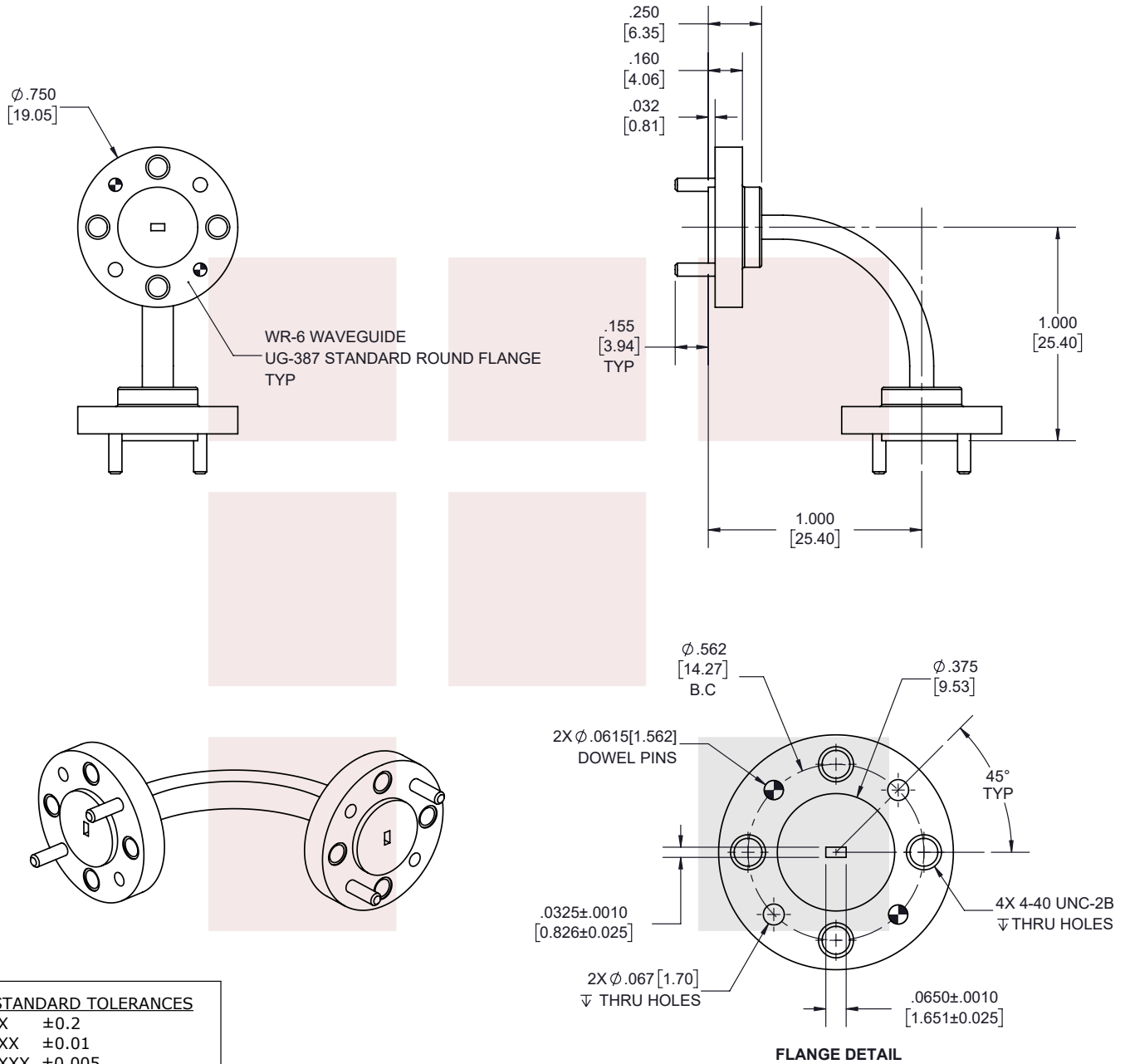
WR-6 Waveguide E-Bend Instrumentation Grade Using UG-387/U-M Flange with a 110 GHz to 170 GHz Frequency Range from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-6 Waveguide E-Bend Using UG-387/U-M Flange with a 110 GHz to 170 GHz Frequency Range FMW6B0000](#)

URL: <https://www.fairviewmicrowave.com/wr-6-waveguide-e-bend-ug-383-u-mod-flange-110-170-ghz-fmw6b0000-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<sup>®</sup> brand</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].							
	TITLE WR-6 Waveguide E-Bend Instrumentation Grade Using UG-387/U-M Flange with a 110 GHz to 170 GHz Frequency Range			DWG NO FMW6B0000		CAGE CODE 3FKR5		
CAD FILE	08/05/19	SHEET	1 OF 1	SCALE	N/A	SIZE	A	7361