

WR-62 90 Degree Right Hand Waveguide Twist with an FBP140 Flange, Operating from 11.9 GHz to 18 GHz



FMW62TW001

Features

- WR-62 Waveguide
- Operating Frequency Range from 11.9 GHz to 18 GHz
- 90° Waveguide Twist
- Low Insertion Loss 0.2 dB
- Low VSWR 1.1:1
- Excellent Impedance Matching
- FBP140 Flanges
- Durable Brass Material Construction
- High RF Performance

Applications

- Radar Systems
- Satellite Communications (SATCOM)
- Aerospace & Defense
- Electronic Warfare (EW)
- RF & Microwave Test Systems
- Microwave Radio Systems
- Telecom
- Infrastructure
- Waveguide System Integration
- Research & Development
- Laboratory Test Setups

Description

The FMW62TW001 is a WR-62 waveguide twist designed to efficiently rotate the polarization of microwave signals while maintaining excellent RF performance over the 11.9 to 18 GHz frequency range. Engineered with low insertion loss and excellent impedance matching, this waveguide twist provides a reliable transition between waveguide components with different orientations. Manufactured from Brass material and featuring FBP140 flanges, it offers rugged mechanical construction for demanding laboratory, commercial, industrial, aerospace, and defense applications. This waveguide twist is ideal for simplifying system layouts, reducing mechanical constraints, and maintaining signal integrity in microwave transmission systems. As part of Fairview Microwave's extensive waveguide product portfolio, this component is stocked and available for same-day shipment.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	11.9		18	GHz
VSWR			1.1:1	
Insertion Loss			0.2	dB

Mechanical Specifications

Waveguide Size		WR-62	
Description	Flange 1	Waveguide	Flange 2
Flange Type	FBP140		FBP140
Interface		WR-62	
Material		Brass Copper	
Plating		Passivated	
Color	Gray	Gray	Gray

Environmental Specifications

Temperature Operating Range	-40 to 70 deg C
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Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Performance Data

WR-62 90 Degree Right Hand Waveguide Twist with an FBP140 Flange, Operating from 11.9 GHz to 18 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 Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [WR-62 90 Degree Right Hand Waveguide Twist with an FBP140 Flange, Operating from 11.9 GHz to 18 GHz FMW62TW001](#)

URL: <https://www.fairviewmicrowave.com/wr-62-90-waveguide-twist-11.9-18-ghz-fmw62tw001>

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