

WR-284 H-plane Waveguide Bend with CPR-284F Flanges, Operating from 2.6 GHz to 3.95 GHz



FMW284B002

Features

- WR-284 Waveguide
- Operating Frequency Range from 2.6 GHz to 3.95 GHz
- H-Plane Configuration
- 90° Bend
- Low Insertion Loss 0.2 dB
- Low VSWR 1.1:1
- Excellent Impedance Matching
- CPR-284F Flanges
- Durable Aluminum Material Construction

Applications

- Radar Systems
- Satellite Communications (SATCOM)
- Aerospace & Defense
- Microwave Radio Systems
- Telecom Infrastructure
- RF & Microwave Test Systems
- Production Test Equipment
- Waveguide Routing
- Research & Development
- Laboratory Microwave Systems

Description

The FMW284B002 is a WR-284 waveguide bend designed to redirect microwave signals while maintaining excellent RF performance across the 2.6 to 3.95 GHz frequency range. Precision machined to provide low insertion loss and excellent impedance matching, this waveguide bend enables efficient routing of waveguide systems without compromising signal integrity. Constructed from Aluminum material and equipped with CPR-284F flanges, it offers a rugged, lightweight solution for commercial, industrial, aerospace, and defense microwave applications. Available in E-plane or H-plane configurations, this waveguide bend simplifies system integration where space constraints require directional changes. As part of Fairview Microwave's extensive waveguide component family, this product is stocked and available for same-day shipment.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2.6		3.95	GHz
VSWR			1.1:1	
Insertion Loss		0.2		dB

Mechanical Specifications

Waveguide Size WR-284

Description	Flange 1	Waveguide	Flange 2
Flange Type	CPR-284F		CPR-284F
Flange Designation		WR-284	
Material		Aluminum	
Plating		Chromate Conversion	

Temperature

Operating Range -40 to +70 deg C

Size

Weight 0.6 lbs [272.16 g]

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

Plotted and Other Data

Notes:

WR-284 H-plane Waveguide Bend with CPR-284F Flanges, Operating from 2.6 GHz to 3.95 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-284 H-plane Waveguide Bend with CPR-284F Flanges, Operating from 2.6 GHz to 3.95 GHz FMW284B002](#)

URL: <https://www.fairviewmicrowave.com/wr-284-waveguide-h-bend-flange-2.6-3.95-ghz-fmw284b002>

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FMW284B002 CAD Drawing

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