

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

PEW284B002



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 PE284B002 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 Pasternack'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 Waveguide H-Bend with CPR-284F Flanges Operating from 2.6 GHz to 3.95 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-284 Waveguide H-Bend with CPR-284F Flanges Operating from 2.6 GHz to 3.95 GHz PEW284B002](#)

URL: <https://www.pasternack.com/wr-284-waveguide-h-bend-flange-2.6-3.95-ghz-pew284b002-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PEW284B002 CAD Drawing

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