

## WR-51 Waveguide H-Bend using UBR180 and PBR180 Flange with a 14.5 GHz to 22 GHz Frequency Range



### FMW51B004

#### Features

- WR-51 Waveguide H-Plane Bend
- UBR180 Square Cover and PBR180 Square Grooved Flange
- 14.5 GHz to 22 GHz Frequency Ranges
- Comprehensive waveguide offerings also includes Waveguide Sections, Waveguide to Coax Adapters, Filters, Terminations, and more.

#### Applications

#### Description

FMW51B004 is a WR-51 waveguide bend that is a H-Plane Bend type with a UBR180 Square Cover and PBR180 Square Grooved flange. This WR-51 H-Bend waveguide with UBR180 Square Cover and PBR180 Square Grooved from Fairview Microwave is Instrumentation grade. Our WR-51 Instrumentation grade waveguide bend has a minimum frequency of 14.5 GHz and a maximum frequency of 22 GHz. WR-51 waveguide bend FMW51B004 is part of over 40,000 RF, microwave and millimeter wave components available from Fairview Microwave. This Instrumentation grade WR-51 E-Bend waveguide with UBR180 Square Cover and PBR180 Square Grooved flange can ship worldwide the same day as it is purchased as with our other available RF parts.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	14.5		22	GHz
VSWR			1.1:1	
Insertion Loss			0.2	dB

#### Mechanical Specifications

Waveguide Size WR-51

Description	Flange 1	Waveguide	Flange 2
Flange Type	Square Cover		Square Grooved
Flange Designation	UBR180	WR-51	PBR180
Material	Brass	Brass	Brass
Plating	Silver	Silver	Silver

#### Temperature

Operating Range -40 to +70 deg C  
Storage Range -55 to +85 deg C

#### Size

Weight 0.0662 lbs [30.03 g]

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

#### Plotted and Other Data

Notes:

## WR-51 Waveguide H-Bend using UBR180 and PBR180 Flange with a 14.5 GHz to 22 GHz Frequency Range



### FMW51B004

---

WR-51 Waveguide H-Bend using UBR180 and PBR180 Flange with a 14.5 GHz to 22 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-51 Waveguide H-Bend Using UBR180 and PBR180 Flange with a 14.5 GHz to 22 GHz Frequency Range FMW51B004](https://www.fairviewmicrowave.com/wr-51-waveguide-h-bend-ubr180-flange-14.5-22-ghz-fmw51b004-p.aspx)

URL: <https://www.fairviewmicrowave.com/wr-51-waveguide-h-bend-ubr180-flange-14.5-22-ghz-fmw51b004-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. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

