

**WRD-750 Waveguide E-Bend Using UG Flange with a 7.5 GHz to 18 GHz Frequency Range in Brass**

FMWRD750B001 is a WRD-750 double ridge waveguide bend that is a E-Plane Bend with a UG style square cover flange. Our WRD-750 double ridge waveguide bend has a minimum frequency of 7.5 GHz and a maximum frequency of 18 GHz. WRD-750 waveguide bend FMWRD750B001 is part of over 40,000 RF, microwave and millimeter wave components available from Fairview. This WRD-750 E-Bend waveguide with UG style flange can ship worldwide the same day as it is purchased as with our other available RF parts.


**Electrical Specifications\***

Description	Min	Typ	Max	Units
Frequency Range	7.5		18	GHz
VSWR			1.25:1	
Insertion Loss		0.4		dB

\* Values at 25°C, sea level

**Mechanical Specifications**

Waveguide Size	WRD-750
<b>Flange 1</b>	
Flange Type	Square Cover
Flange Designation	UG
Material	Brass
<b>Waveguide</b>	
Interface	WRD-750
Material	Copper
<b>Flange 2</b>	
Flange Type	Square Cover
Flange Designation	UG
Material	Brass

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

**Plotted and Other Data**

Notes:  
• Values at 25 °C, sea level

**Features:**

- WRD-750 Double Ridge waveguide
- E-plane bend
- UG Style Square Cover Flange
- 7.5 GHz to 18 GHz Frequency Range
- Comprehensive waveguide offerings also includes Waveguide Sections, Waveguide to Coax Adapters, Twists, Terminations, and more

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WRD-750 Waveguide E-Bend Using UG Flange with a 7.5 GHz to 18 GHz Frequency Range in Brass 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: [WRD-750 Waveguide E-Bend Using UG Flange with a 7.5 GHz to 18 GHz Frequency Range in Brass FMWRD750B001](#)

URL: <https://www.fairviewmicrowave.com/wrd-750-waveguide-e-bend-ug-flange-7.5-18-ghz-fmwr750b001-p.aspx>

The information contained in 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 any liability arising out of the use of any part or documentation.



REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	10/2/2020	S.PONG

  

WRD750 DOUBLE-RIDGE  
FPWRD750D24 COVER FLANGE  
TYP

90.00° ± .25°

LABEL PER ILS-100-09  
(SEE NOTE 1)

  

FLANGE DETAIL

  

**NOTES:**

- LABEL PER ILS-100-09. FOR INTERNAL REFERENCE ONLY. LABEL LOCATION FOR REFERENCE ONLY.

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<p><b>Fairview Microwave</b> an INFINIT<sup>®</sup> brand</p> <p>TITLE</p> <p style="text-align: center;">WRD-750 Waveguide E-Bend Using UG Flange with a 7.5 GHz to 18 GHz Frequency Range in Brass</p>	<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p>TOLERANCES:                      CABLE LENGTH (L) TOLERANCES:</p> <p style="text-align: center;">L ≤ 12 [305] = +1 [25] / -0</p> <p style="text-align: center;">12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0</p> <p style="text-align: center;">60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0</p> <p style="text-align: center;">120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0</p> <p style="text-align: center;">300 [7620] &lt; L = +5%L / -0</p> <p>.X = ±.2 [5.08]    FRACTIONS    ± 1/32</p> <p>.XX = ±.02 [.51]    ANGLES ± 1°</p> <p>.XXX = ±.005 [.13]</p>	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p> <p>SCALE N/A</p>		
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.				
SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. FMWRD750B001	REV A

T-Rev.D