

## 10 dB WR-22 Waveguide Coupler with UG-383/U Round Cover Flange from 33 GHz to 50 GHz in Copper

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	33		50	GHz
<b>Coupler</b>				
Nominal Coupling Level		10		dB
Coupling Accuracy			±1	dB
Insertion Loss			1	dB
Main Line VSWR		1.05:1		
Secondary Line VSWR			1.12:1	

### Mechanical Specifications

<b>Size</b>	
Length	8.4 in [213.36 mm]
<b>Interface</b>	
Waveguide Size	WR-22
Flange Type	Round Cover
Flange Designation	UG-383/U
Flange Material and Plating	Brass, Gold
Coupler Body Material and Plating	Copper, Gold

### Environmental Specifications

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

### Plotted and Other Data

Notes:

10 dB WR-22 Waveguide Coupler with UG-383/U Round Cover Flange from 33 GHz to 50 GHz in Copper 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: [10 dB WR-22 Waveguide Coupler with UG-383/U Round Cover Flange from 33 GHz to 50 GHz in Copper FMWCP1079-10](#)

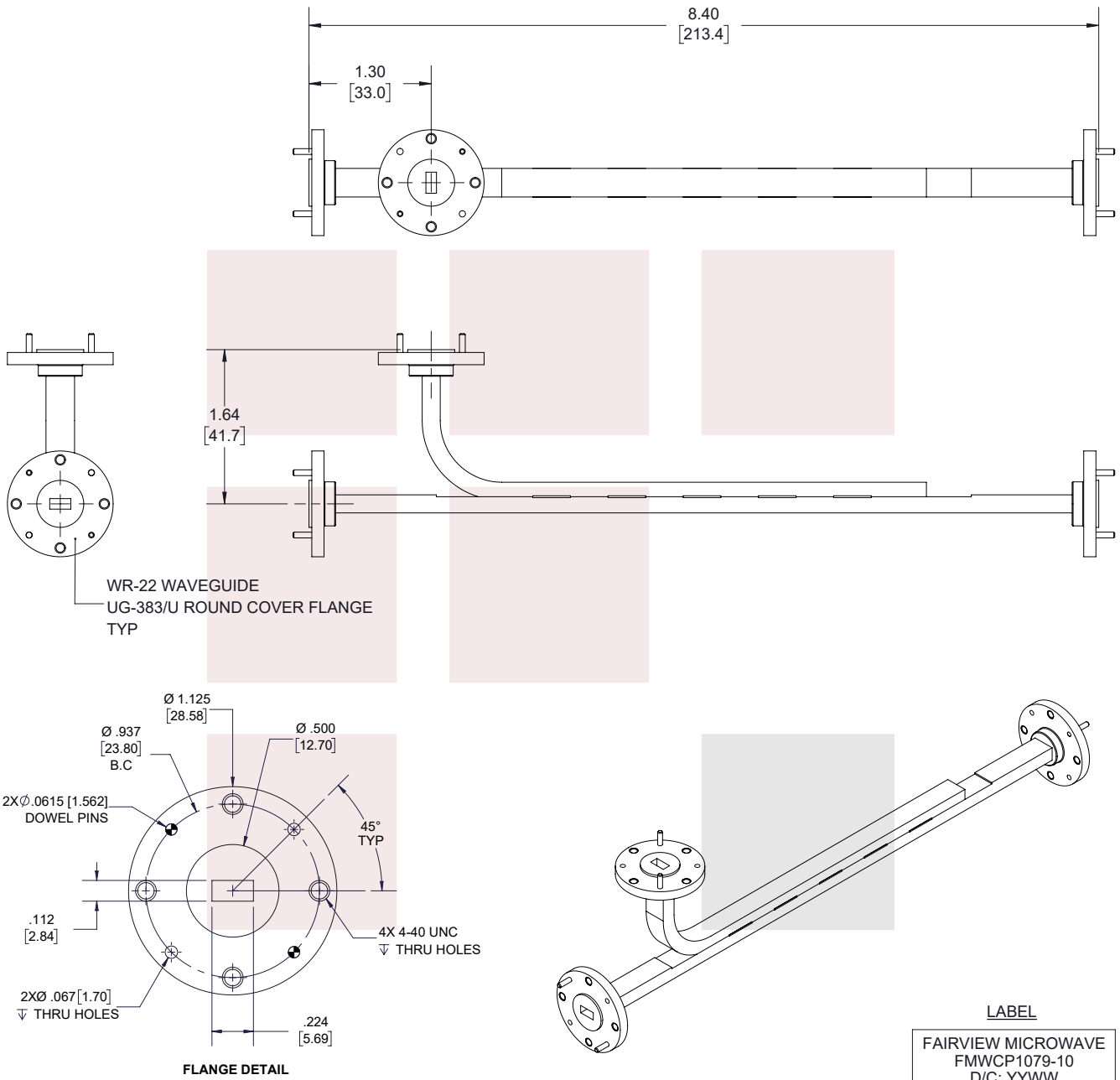
URL: <https://www.fairviewmicrowave.com/10db-wr22-waveguide-coupler-ug383-round-50ghz-fmwcp1079-10-p.aspx>

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.



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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	7/30/2020	S.PONG



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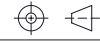
TITLE  
10 dB WR-22 Waveguide Coupler with UG-383/U Round Cover Flange from 33 GHz to 50 GHz in Copper

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES  
DIMENSIONS IN [ ] ARE MILLIMETERS

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

.X ± .2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0
.XX ± .02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0
.XXX ± .005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0
		120 [3048] < L ≤ 300 [7620] = +6 [152] / -0
		300 [7620] < L = +5%L / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

SCALE N/A

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SIZE A	CAGE CODE 3FKR5	DRAWN BY K.DANG	ITEM NO. FMWCP1079-10	REV A
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