



40 dB WR-90 Waveguide Crossguide 3 Port Coupler with UG-39/U Square Cover Flange from 8.2 GHz to 12.4 GHz in Bronze

The FMWCT1022 is a 40 dB three port, terminated WR-90 crossquide waveguide coupler that operates in the frequency range of 8.2 to 12.4 GHz. The coupler has a typical VSWR of 1.05 These designs are made of Bronze with Brass UG-39/U Square Cover Flanges. Fairview offers a complete family of crossquide couplers in both three port (terminated) and four port (unterminated) configurations that are in stock and ship on the same day. Top wall couplers are also available.

Electrical Specifications

Description	Min	Тур	Max	Units	
Frequency Range	8.2		12.4	GHz	
Coupler					
Nominal Coupling Lev	el	40		dB	
Directivity		10		dB	
Insertion Loss		0.1		dB	
Main Line VSWR		1.05:1			
Termination					
VSWR		1.02			
Input Power (CW)			4	Watts	

Mechanical Specifications

Size Lenath

6.5 in [165.1 mm] Width 3 in [76.2 mm]

Interface

WR-90 Waveguide Size **Square Cover** Flange Type Flange Designation UG-39/U Flange Material and Plating Brass

Coupler Body Material and Plating Bronze Termination Body Material and Plating Bronze

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:



Features:

- Three Port
- Crossguide Waveguide Coupler
- Terminated
- 40 dB Nominal Coupling Level
- 8.2 GHz to 12.4 GHz Frequency Range
- Waveguide Body made of Bronze with Brass Flanges
- Low VSWR

Applications:

- Test Benches
- Radar
- Satellite
- Microwave Radio
- Attenuation Measurements
- Power Measurements
- Source Leveling

Fairview Microwave 1130 Junction Dr. #100 Allen, TX 75013

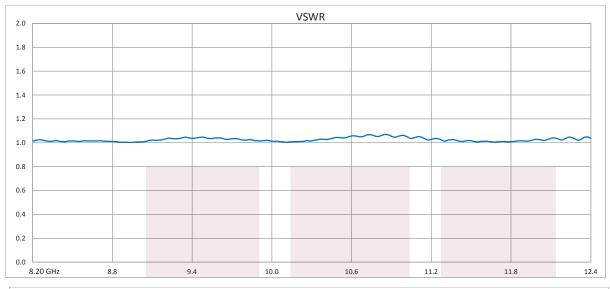
Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689

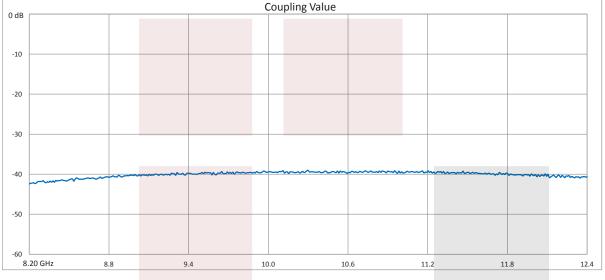
www.fairviewmicrowave.com sales@fairviewmicrowave.com



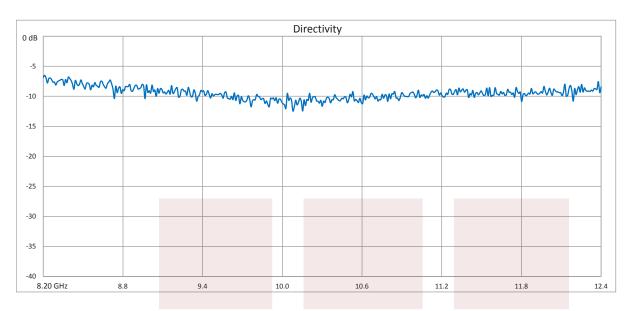


Typical Performance Data









40 dB WR-90 Waveguide Crossguide 3 Port Coupler with UG-39/U Square Cover Flange from 8.2 GHz to 12.4 GHz in Bronze 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 Allen, Texas. Fairview Microwave is RF on-demand.

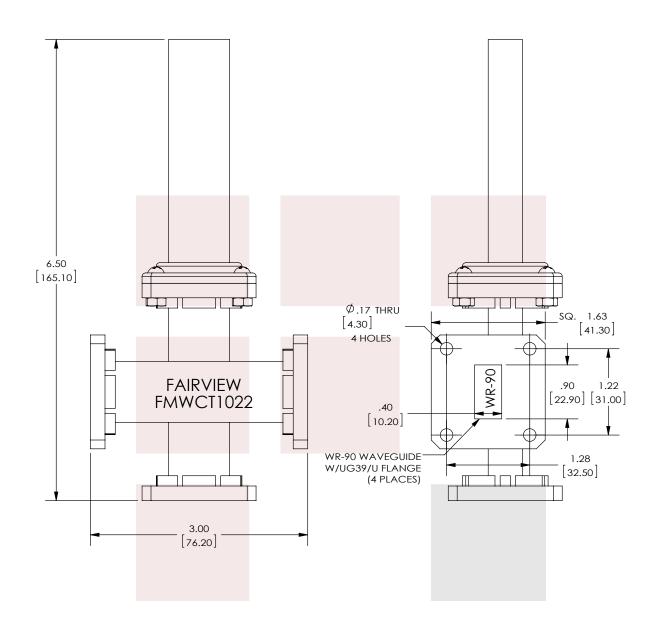
For additional information on this product, please click the following link: 40 dB WR-90 Waveguide Crossguide 3 Port Coupler with UG-39/U Square Cover Flange from 8.2 GHz to 12.4 GHz in Bronze FMWCT1022

URL: https://www.fairviewmicrowave.com/40-db-wr-90-waveguide-crossguide-coupler-ug39-square-3-port-fmwct1022-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.







FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM	NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].						
40 dB WR-90 Waveguide Crossguide 3 Port Coupler with UG-39/U Square Cover Flange from 8.2 GHz to 12.4 GHz in Bronze	DWG NO FMWCT1022			CAGE CODE 3FKR5			
	CAD FILE MMDDYY	SHEET	SCAL	E N/A	SIZE A	1408	