



40 dB WR-75 Waveguide Crossguide 3 Port Coupler with Square Cover Flange from 10 GHz to 15 GHz in Bronze

The FMWCT1018 is a 40 dB three port, terminated WR-75 crossguide waveguide coupler that operates in the frequency range of 10 to 15 GHz. The coupler has a typical VSWR of 1.05 These designs are made of Bronze with Brass Square Cover Flanges. Fairview offers a complete family of crossguide 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	10		15	GHz
Coupler				
Nominal Coupling Lev	el	40		dB
Directivity		15		dB
Insertion Loss		0.1		dB
Main Line VSWR		1.05:1		
Termination				
VSWR		1.02		
Input Power (CW)			2.5	Watts

Mechanical Specifications

Size

Length 6.5 in [165.1 mm] Width 2.75 in [69.85 mm]

Interface

Waveguide Size WR-75
Flange Type Square Cover
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
- 10 GHz to 15 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

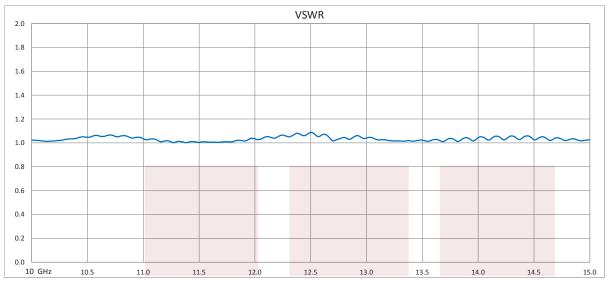
Tel: 1-800-715-4396 / (972) 649-6678

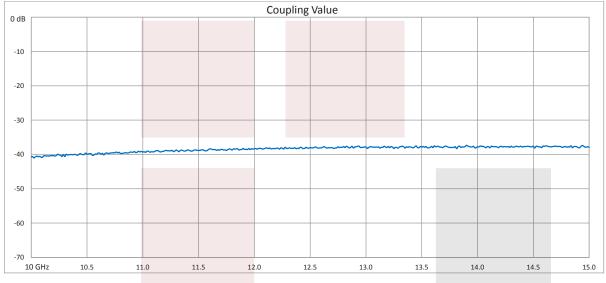
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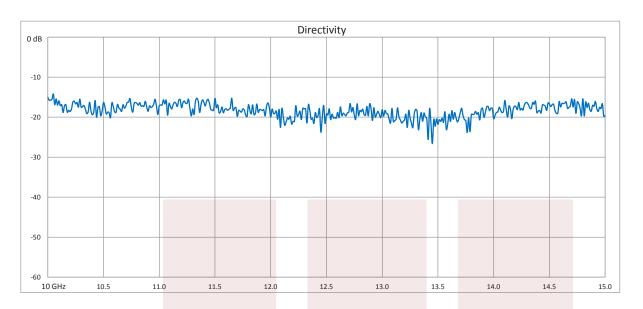


Typical Performance Data









40 dB WR-75 Waveguide Crossguide 3 Port Coupler with Square Cover Flange from 10 GHz to 15 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.

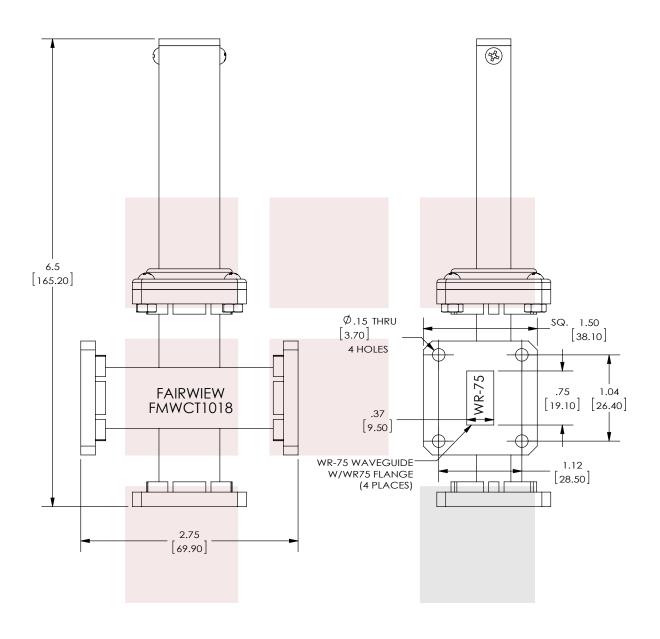
For additional information on this product, please click the following link: 40 dB WR-75 Waveguide Crossguide 3 Port Coupler with Square Cover Flange from 10 GHz to 15 GHz in Bronze FMWCT1018

URL: https://www.fairviewmicrowave.com/40-db-wr-75-waveguide-crossguide-coupler-square-flange-3-port-fmw-ct1018-p.aspx

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40 dB WR-75 Waveguide Crossguide 3 Port Coupler with Square Cover Flange from 10 GHz to 15 GHz in Bronze	DWG NO FMWCT1018			CAGE CODE 3FKR5			
	CAD FILE 051517	SHEET	SCALE N/A		SIZE A	1408	