

20 dB WR-62 Waveguide Crossguide Coupler with UG Cover Flange and SMA Female Coupled Port from 13.75 GHz to 14.5 GHz in Brass

The FMWCP1086S-20 is a 20 dB WR-62 three port crossguide coupler with integrated SMA Female connector for the coupled port. This coupler can be mounted directly into the waveguide signal path, connected via coax to allow signal sampling /monitoring. The coupler has a typical VSWR of 1.1:1 and are made of Brass with UG Cover flanges. The FMWCP1086S-20 is part of a family of cross guide couplers offered by Fairview Microwave with coupling values ranging from 20 to 50 dB.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	13.75		14.5	GHz
Coupler				
Nominal Coupling Level		20		dB
Coupling Accuracy			±0.7	dB
Directivity	20			dB
Insertion Loss		0.15		dB
Main Line VSWR			1.1:1	
Secondary Line VSWR			1.25:1	
Input Power (CW)			400	Watts
Input Power Peak			50	kWatts

Mechanical Specifications

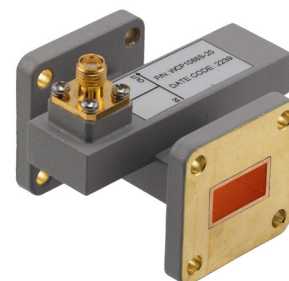
Size		
Length		2.362 in [59.99 mm]
Width		1.969 in [50.01 mm]
Height		1.79 in [45.47 mm]
Weight		0.287 lbs [130.18 g]
Interface		
Waveguide Size		WR-62
Flange Type		UG Cover
RF Connector Type		SMA Female
Coupler Body Material and Plating		Brass Copper, Passivated

Environmental Specifications

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

Plotted and Other Data

Notes:



Features:

- Three Port Crossguide Waveguide Coupler
- 20±0.7 dB Nominal Coupling Level
- Integrated SMA Female Connector for the coupled port
- 13.75 GHz to 14.5 GHz Frequency Range
- Low VSWR < 1.25:1

Applications:

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

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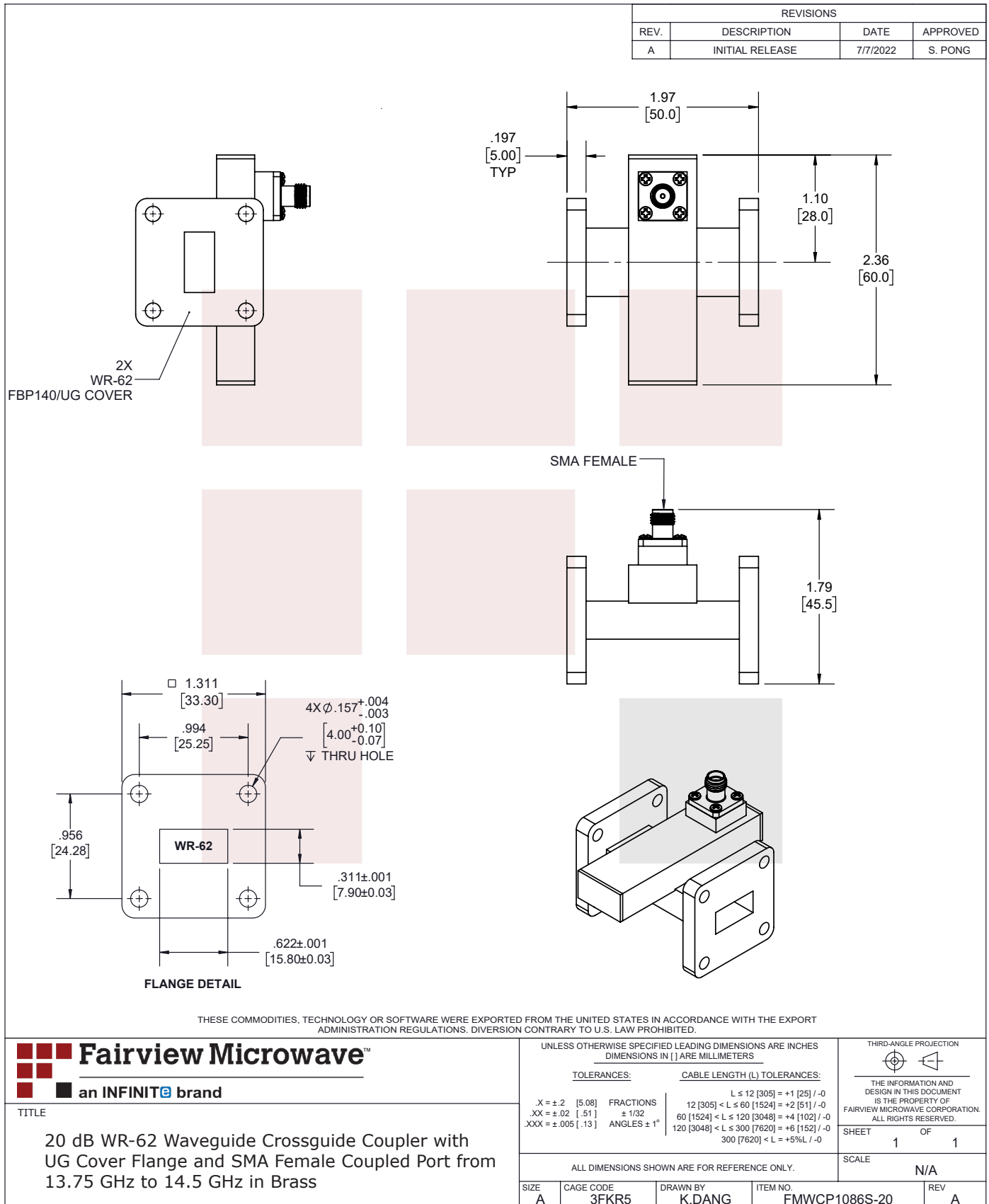
20 dB WR-62 Waveguide Crossguide Coupler with UG Cover Flange and SMA Female Coupled Port from 13.75 GHz to 14.5 GHz in Brass from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [20 dB WR-62 Waveguide Crossguide Coupler with UG Cover Flange and SMA Female Coupled Port from 13.75 GHz to 14.5 GHz in Brass FMWCP1086S-20](https://www.fairviewmicrowave.com/20-db-wr-62-waveguide-crossguide-coupler-fmwcp1086S-20)

URL: <https://www.fairviewmicrowave.com/20-db-wr-62-waveguide-crossguide-coupler-fmwcp1086S-20-p.aspx>

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