Fairview Microwave an INFINIT® brand

30 dB WR-28 Waveguide Crossguide 3 Port Coupler with UG Cover Flange from 26.5 GHz to 40 GHz in Brass

The FMWCP1089-30 is a 30 dB WR-28 three port crossguide coupler with intergrated UG Cover Flange for the coupled port. This coupler can be mounted directly into the waveguide signal path, connected via waveguide 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 FMWCP1089-30 is part of a family of cross guide couplers offered by Fairview Microwave with coupling values ranging from 20 to 50 dB.

Electrical Specifications

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Description	Min	Тур	Мах	Units
Frequency Range	26.5		40	GHz
Coupler				
Nominal Coupling Level		30		dB
Coupling Accuracy			±1.5	dB
Directivity	15			dB
Insertion Loss		0.2		dB
Main Line VSWR			1.1:1	
Secondary Line VSW	'R		1.5:1	
Input Power (CW)			200	Watts
Input Power Peak			20	kWatts

Mechanical Specifications

Size Length Width Height Weight	1.969 in [50.01 mm] 1.654 in [42.01 mm] 0.95 in [24.13 mm] 0.11 lbs [49.9 g]	
Interface Waveguide Size Flange Type	WR-28 UG Cover	
Coupler Body Material and Plating	Brass Copper, Gold	

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data Notes:

FMWCP1089-30 DATA SHEET



Features:

- Three Port Crossguide Waveguide Coupler
- 30±1.5 dB Nominal Coupling Level
- 26.5 GHz to 40 GHz Frequency Range
- Low VSWR < 1.25:1

Applications:

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

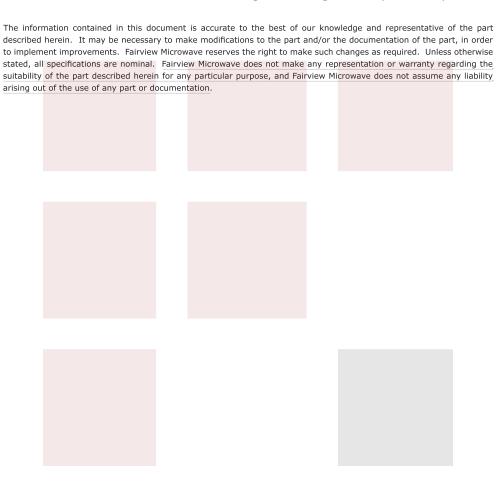
Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com an INFINIT® brand



30 dB WR-28 Waveguide Crossguide 3 Port Coupler with UG Cover Flange from 26.5 GHz to 40 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.

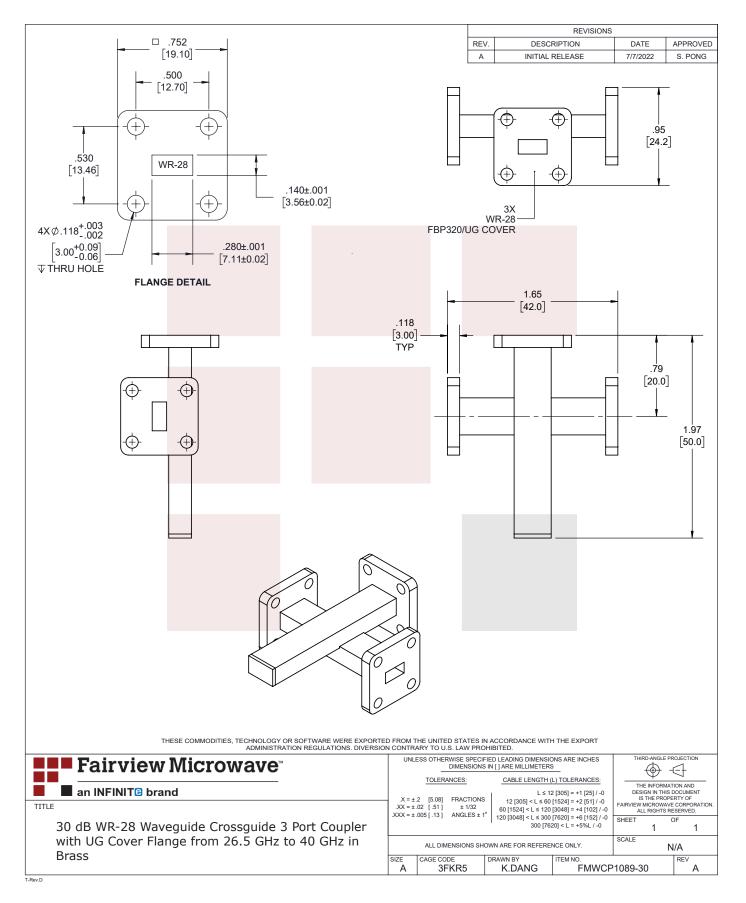
For additional information on this product, please click the following link: 30 dB WR-28 Waveguide Crossguide 3 Port Coupler with UG Cover Flange from 26.5 GHz to 40 GHz in Brass FMWCP1089-30

URL: https://www.fairviewmicrowave.com/30-db-wr-28-waveguide-crossguide-coupler-fmwcp1089-30-p.aspx





FMWCP1089-30 DATA SHEET



301 Leora Ln., Suite 100, Lewisville, TX 75056 | Tel: 1-800-715-4396 / (972) 649-6678 / Fax: (972) 649-6689