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WR-112 Waveguide 40 dB Crossguide Coupler, UG Cover Flange, N Female Coupled Port, 6.57 GHz to 9.99 GHz, Aluminum

Waveguide Couplers Technical Data Sheet PEWCP1083-40

The PEWCP1083-40 is a 40 dB WR-112 three port crossguide coupler with intergrated N 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 Aluminum with UG Cover flanges. The PEWCP1083-40 is part of a family of cross guide couplers offered by Pasternack with coupling values ranging from 20 to 50 dB.

Features

- Three Port Crossguide Waveguide Coupler
- 40±1.5 dB Nominal Coupling Level
- Integrated N Female Connector for the coupled port
- 6.57 GHz to 9.99 GHz Frequency Range
- Low VSWR < 1.25:1

Applications

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

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	6.57		9.99	GHz
Coupler				
Nominal Coupling Level		40		dB
Coupling Accuracy			±1.5	dB
Directivity	18			dB
Insertion Loss		0.1		dB
Main Line VSWR			1.1:1	
Secondary Line VSWR			1.25:1	
Input Power (CW)			800	Watts
Input Power, Peak			300	kWatts

Mechanical Specifications

Size

Length	4.724 in [119.99 mm]
Width	3.228 in [81.99 mm]
Height	2.79 in [70.87 mm]
Weight	0.661 lbs [299.82 g]

Interface

Waveguide Size	WR-112

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications: WR-112 Waveguide 40 dB Crossguide Coupler, UG Cover Flange, N Female Coupled Port, 6.57 GHz to 9.99 GHz, Aluminum PEWCP1083-40

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Flange Type	UG Cover
RF Connector Type	N Female
Coupler Body Material and Plating	Aluminum, Chromate

Environmental Specifications

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

WR-112 Waveguide 40 dB Crossguide Coupler, UG Cover Flange, N Female Coupled Port, 6.57 GHz to 9.99 GHz, Aluminum from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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URL: https://www.pasternack.com/40-db-wr-112-waveguide-crossguide-coupler-pewcp1083-40-p.aspx

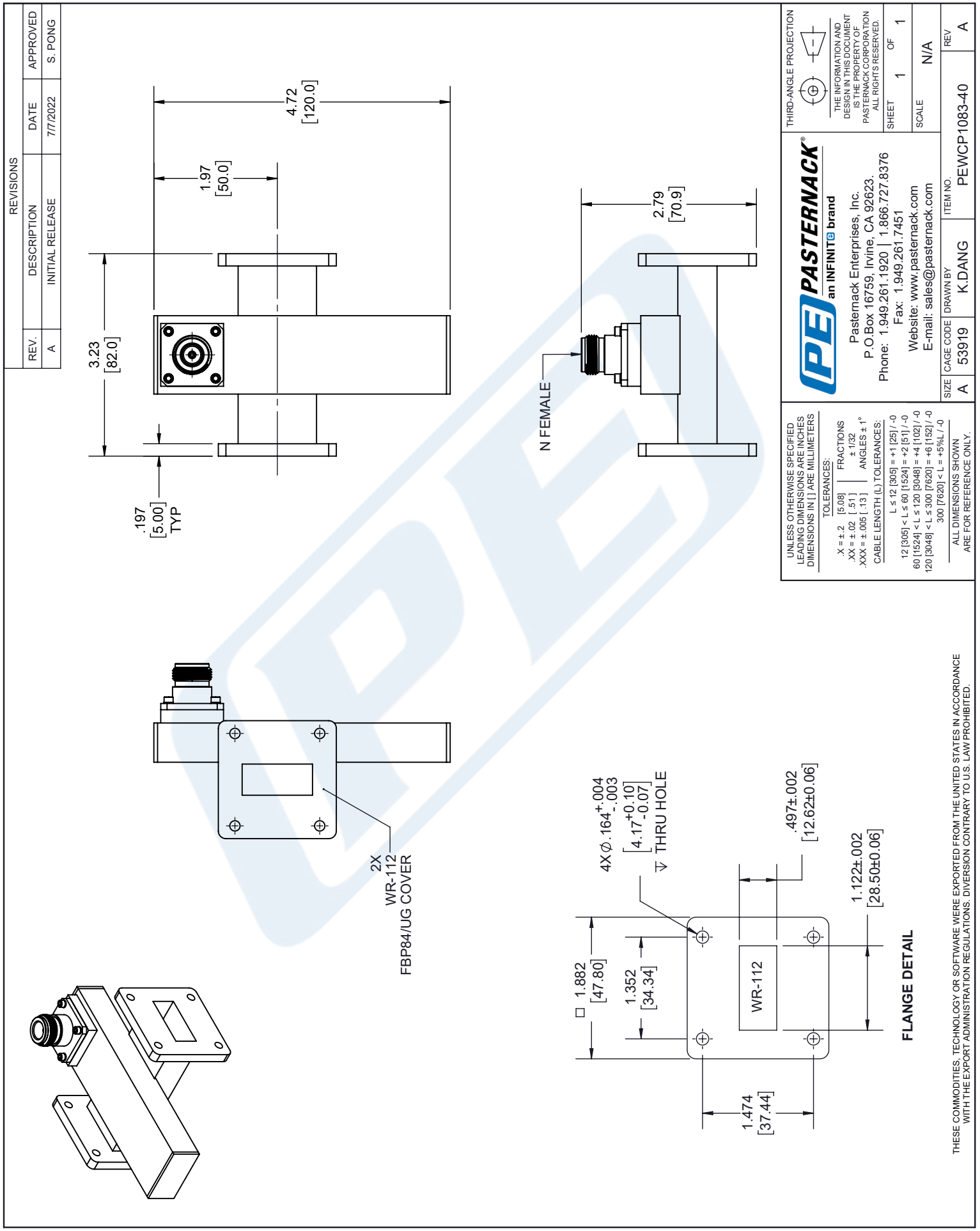
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PEWCP1083-40 CAD Drawing

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