



# WR - 62 30 dB Waveguide Crossguide Coupler 419/U Square Cover Flange, 12.4 GHz to 18 GHz

The PEWCP1048 is a WR-62 crossguide waveguide coupler that operates in the frequency range of 12.4 to 18 GHz. This Waveguide component has a typical VSWR of 1.05:1. These designs are made of painted copper alloy and incorporate a cross wall configuration that result in a mid-band nominal coupling level. This component would be where power measurements are required monitoring with minimal signal loss to the main transmission line. Pasternack offers a complete family of waveguide components and ship same day.

## Features

- Crossguide Waveguide Coupler
- 30 dB Nominal Coupling Level
- 12.4 GHz to 18 GHz Frequency Range
- Body and Flanges Made of Copper Alloy
- Low VSWR

## Applications

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

Electrical Specifications (at 15°C, sea level)

Description	Minimum	Typical	Maximum	Units
Frequency Range	12.4		18	GHz
Directivity		10		dB
Insertion Loss		0.1		dB
Main Line VSWR		1.05:1		
Nominal Coupling Level		30		dB

## Mechanical Specifications

Size	
Length	2.5 in [ 63.5 mm]
Width/Dia.	2.5 in [ 63.5 mm]
Weight	0.61 lbs [ 276.69 g]

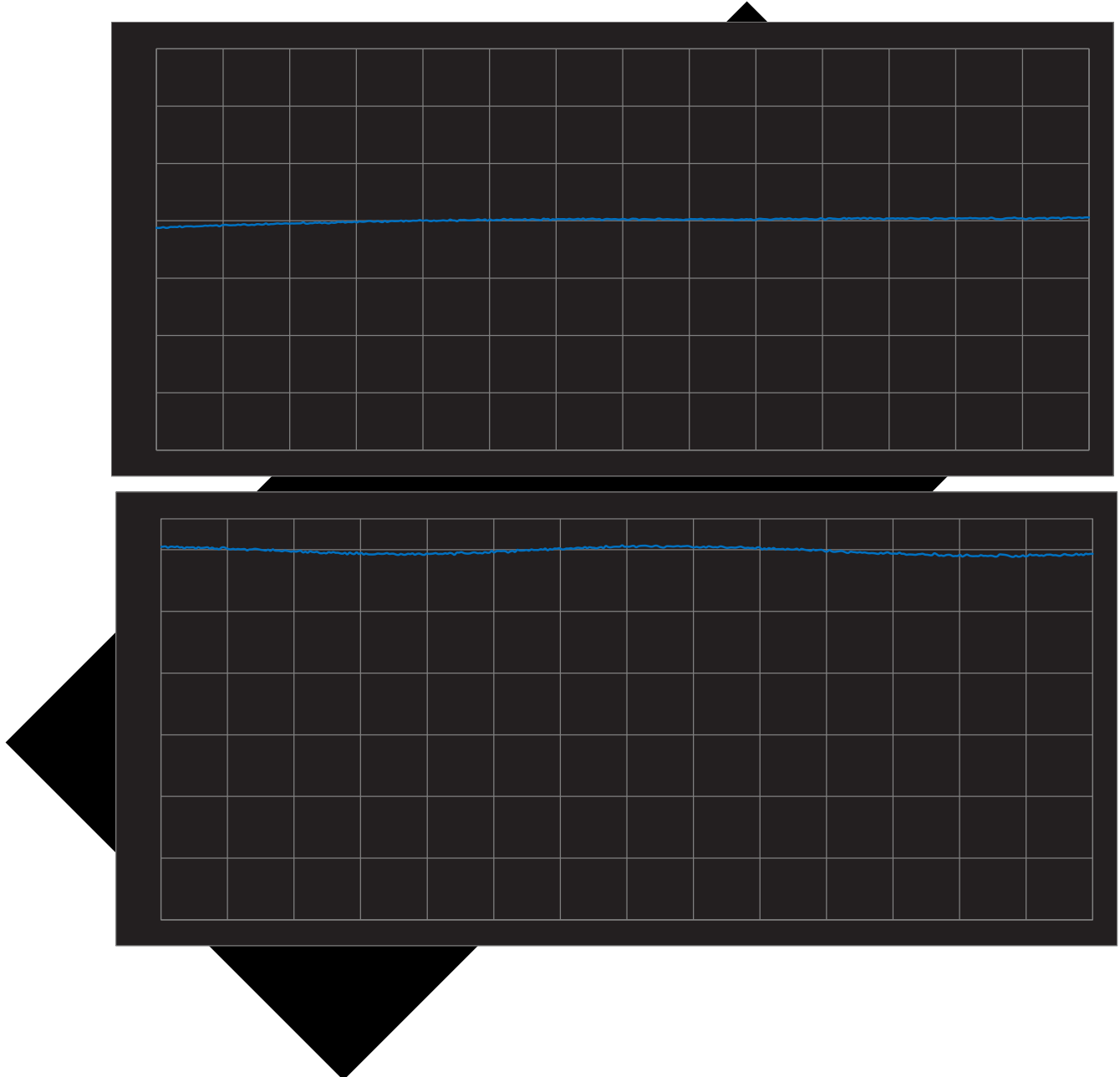
Click the following link (or enter part number in "SEARCH" field) to view the product page and check inventory and pricing: [WR-62 30 dB Waveguide Crossguide Coupler, UG 419/U Square Cover Flange, 12.4 GHz to 18 GHz PEWCP1048](#)







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# WR - 62 30 dB Waveguide Crossguide Coupler 419/U Square Cover Flange, 12.4 GHz to 140 GHz

WR - 62 30 dB Waveguide Crossguide Coupler, UG-419/U Square Cover Flange. Pasternack Enterprises has same day shipment for domestic and International orders. Pasternack maintains a 99% availability and are part of the broadest selection of waveguide components.

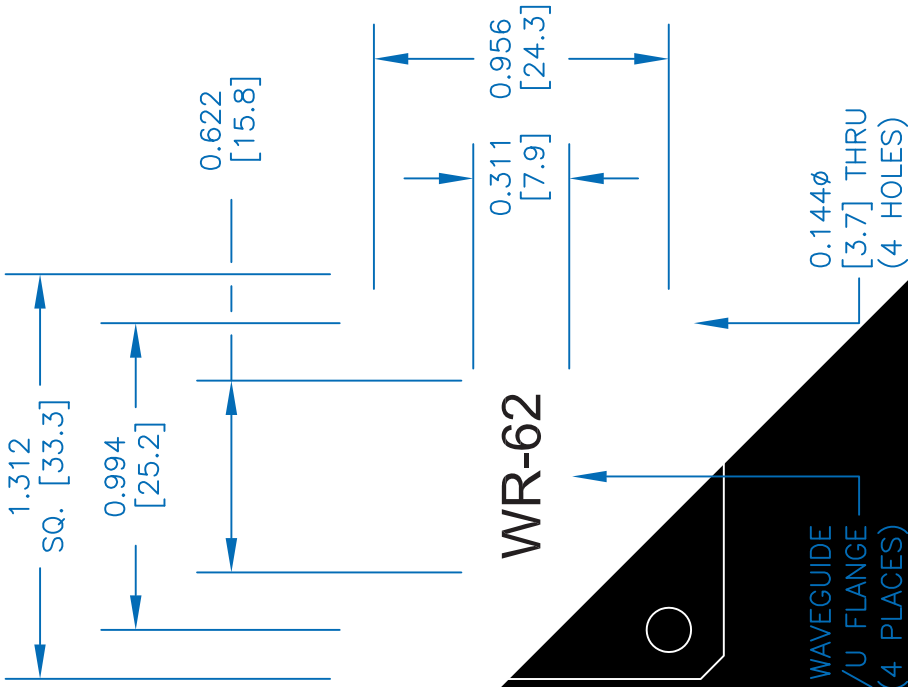
Click the following link (or enter part number in "SEARCH" field) to view the product page in our inventory and to purchase: [WR-62 30 dB Waveguide Crossguide Coupler, UG-419/U Square Cover Flange, 12.4 GHz PEWCP1048](http://www.pasternack.com/wr-62-30db-waveguide-coupler-419-u-square-cover-flange-12-4-ghz-pewcp1048)

URL: <http://www.pasternack.com/wr-62-30db-waveguide-coupler-419-u-square-cover-flange-12-4-ghz-pewcp1048>

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. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

# PEWC1048 CAD Drawing

WR-62 30 dB Waveguide Crossguide Coupler,  
Square Cover Flange, 12.4 GHz to 18 GHz



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).

DWG TITLE  
**PEWC1048**

FSCM NO. 53919

CAD FILE 042916

SCALE N/A

SIZE A

2233

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