



WR-5 45 Degree Left-hand Waveguide Twist with a UG-387/U-Mod Flange Operating from 140 GHz to 220 GHz

Waveguide Twists Technical Data Sheet

PEW5TW0001

Features

- WR-5 Waveguide
- 140 to 220 GHz Frequency Range
- UG-387/U-Mod Flange
- 45° Left Hand (Clockwise) Twist
- 1.15:1 Typical VSWR

Applications

- Instrumentation
- Precision measurements
- Prototyping and characterization

Description

Pasternack's PEW5TW0001 is a 45 degree, Left Hand, WR-5 waveguide twist that operates from 140 GHz to 220 GHz. This waveguide twist offers a typical 1.15 VSWR. The input of this waveguide twist has a UG-387/U-M Flange. PEW5TW0001 is part of over 40,000 RF, microwave and millimeter wave components. Our WR-5 waveguide twist will ship worldwide the same day it is purchased along with our other RF components.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	140		220	GHz
VSWR		1.15:1		

Electrical Specification Notes:

VSWR measurement is the representation of the load used for testing

Mechanical Specifications

Waveguide Size: WR-5
Section Length: 1.25 in [[31.75 mm]]

Description	Flange 1	Waveguide	Flange 2
Interface	UG-387/U-Mod	WR-5	UG-387/U-Mod
Material	Oxygen Free Hard Copper	Oxygen Free Hard Copper	Oxygen Free Hard Copper
Plating	Gold	Gold	Gold
Color	Gold	Gold	Gold

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

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-5 45 Degree Left-hand Waveguide Twist with a UG-387/U-Mod Flange Operating from 140 GHz to 220 GHz PEW5TW0001](#)



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WR-5 45 Degree Left-hand Waveguide Twist with a UG-387/U-Mod Flange Operating from 140 GHz to 220 GHz 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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-5 45 Degree Left-hand Waveguide Twist with a UG-387/U-Mod Flange Operating from 140 GHz to 220 GHz PEW5TW0001](https://www.pasternack.com/wr-5-45-waveguide-twist-ug387mod-140-220-ghz-pew5tw0001-p.aspx)

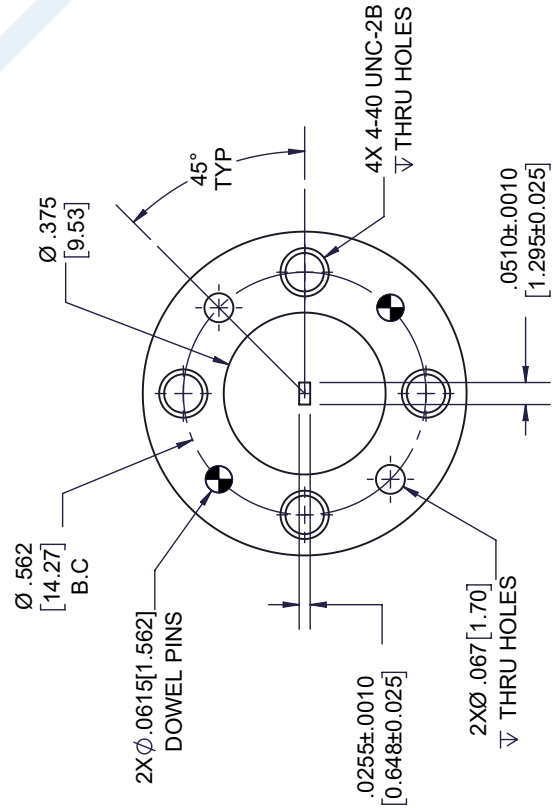
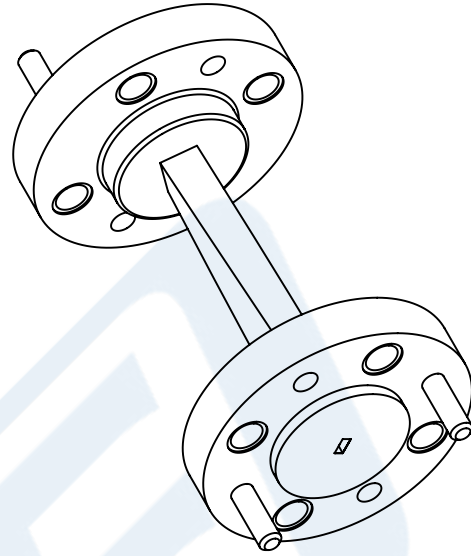
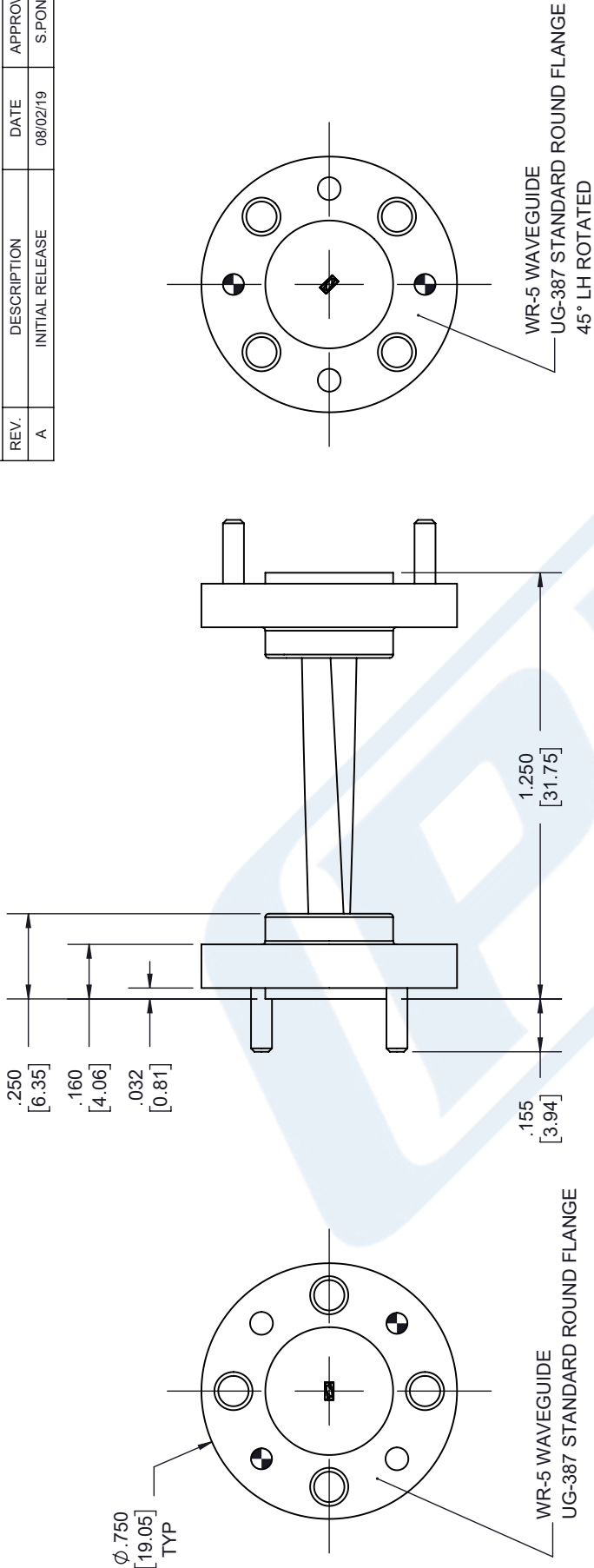
URL: <https://www.pasternack.com/wr-5-45-waveguide-twist-ug387mod-140-220-ghz-pew5tw0001-p.aspx>

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PEW5TW0001 CAD Drawing

WR-5 45 Degree Left-hand Waveguide Twist with a UG-387/U-
Mod Flange Operating from 140 GHz to 220 GHz

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	08/02/19	S.PONG



FLANGE DETAIL

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS	
TOLERANCES:	FRACTIONS
X±.2 [5.08]	±1/32
XX±.01 [.25]	±.005
XXX±.005 [.13]	±.001
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.	
THIRD ANGLE PROJECTION	

PE PASTERNAK an INFINITI® brand	
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SIZE	PART NUMBER
A	PEW5TW0001
CAGE	REV
53919	A
DRAWN BY	
K.DANG	

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SCALE	
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