



WR-8 45 Degree Right-hand Waveguide Twist with a UG-387/U-Mod Flange Operating from 90 GHz to 140 GHz

Waveguide Twists Technical Data Sheet

PEW8TW0000

Features

- WR-8 Waveguide
- 90 to 140 GHz Frequency Range
- UG-387/U-Mod Flange
- 45° Right Hand (Clockwise) Twist
- 1.15:1 Typical VSWR

Applications

- Instrumentation
- Precision measurements
- Prototyping and characterization

Description

Pasternack's PEW8TW0000 is a 45 degree, Right Hand, WR-8 waveguide twist that operates from 90 GHz to 140 GHz. This waveguide twist offers a typical 0.3 dB insertion loss and a typical 1.15 VSWR. The input of this waveguide twist has a UG-387/U-M Flange. PEW8TW0000 is part of over 40,000 RF, microwave and millimeter wave components. Our WR-8 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	90		140	GHz
VSWR		1.15:1		
Insertion Loss		0.3		dB

Electrical Specification Notes:

VSWR measurement is the representation of the load used for testing

Mechanical Specifications

Waveguide Size: WR-8
Section Length: 1.25 in [[31.75 mm]]

Description	Flange 1	Waveguide	Flange 2
Interface	UG-387/U-Mod	WR-8	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-8 45 Degree Right-hand Waveguide Twist with a UG-387/U-Mod Flange Operating from 90 GHz to 140 GHz PEW8TW0000](#)



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WR-8 45 Degree Right-hand Waveguide Twist with a UG-387/U-Mod Flange Operating from 90 GHz to 140 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-8 45 Degree Right-hand Waveguide Twist with a UG-387/U-Mod Flange Operating from 90 GHz to 140 GHz PEW8TW0000](https://www.pasternack.com/wr-8-45-waveguide-twist-ug387mod-90-140-ghz-pew8tw0000-p.aspx)

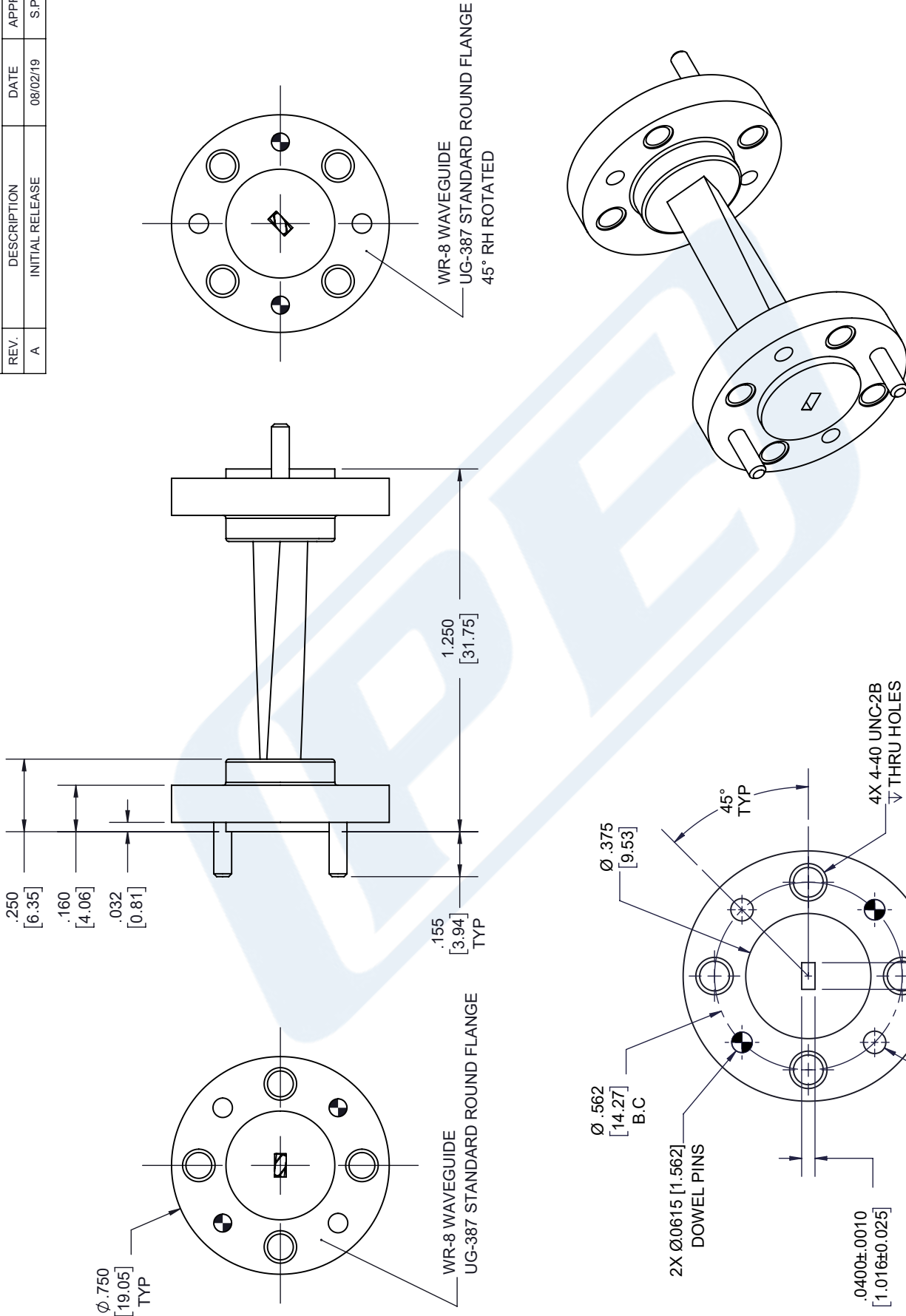
URL: <https://www.pasternack.com/wr-8-45-waveguide-twist-ug387mod-90-140-ghz-pew8tw0000-p.aspx>

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PEW8TW0000 CAD Drawing

WR-8 45 Degree Right-hand Waveguide Twist with a UG-387/U-
Mod Flange Operating from 90 GHz to 140 GHz

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



PE PASTERNAK an INFINITI® brand Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623. Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.7451 www.pasternack.com e-mail: sales@pasternack.com		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.	
SHEET 1 OF 1 SCALE N/A		REV A	
SIZE A CAGE 53919 DRAWN BY K.DANG PART NUMBER PEW8TW0000		UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN INCHES DIMENSIONS IN [] ARE MILLIMETERS TOLERANCES: X±.2 [5.08] XX±.01 [.25] XXX±.005 [.13] FRACTIONS +1/32 ANGLES ± 1° ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. THIRD-ANGLE PROJECTION	

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