



WR-28 45 Degree Right-hand Waveguide Twist with a UG-595/U Flange Operating from 26.5 GHz to 40 GHz

Waveguide Twists Technical Data Sheet

PEW28TW001

Features

- WR-28 Waveguide
- 26.5 to 40 GHz Frequency Range
- UG-599/U Flange
- 45° Right Hand (Clockwise) Twist
- 1.10:1 Maximum VSWR

Applications

- Instrumentation
- Precision measurements
- Prototyping and characterization
- Production Systems

Description

The PEW28TW001 is a 45 degree right hand waveguide twist that is part of a family of precision manufactured twists with square cover per MIL-DTL-85. The family includes right and left hands 45 degree twists as well as 90 degree twists. These twists are offered in the Ka through W waveguide bands.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	26.5		40	GHz
VSWR			1.1:1	
Insertion Loss			0.2	dB

Mechanical Specifications

Waveguide Size
Section Length

WR-28
2 in [50.8 mm]

Description	Flange 1	Waveguide	Flange 2
Interface	UG-595/U	WR-28	UG-595/U
Material	Brass Copper	Brass	Brass 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-28 45 Degree Right-hand Waveguide Twist with a UG-595/U Flange Operating from 26.5 GHz to 40 GHz PEW28TW001](#)



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WR-28 45 Degree Right-hand Waveguide Twist with a UG-595/U Flange Operating from 26.5 GHz to 40 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-28 45 Degree Right-hand Waveguide Twist with a UG-595/U Flange Operating from 26.5 GHz to 40 GHz PEW28TW001](https://www.pasternack.com/wr-28-45-waveguide-twist-ug595-26.5-40-ghz-pew28tw001-p.aspx)

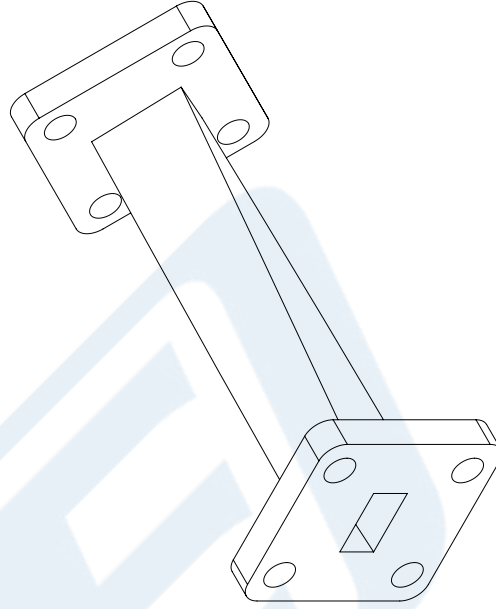
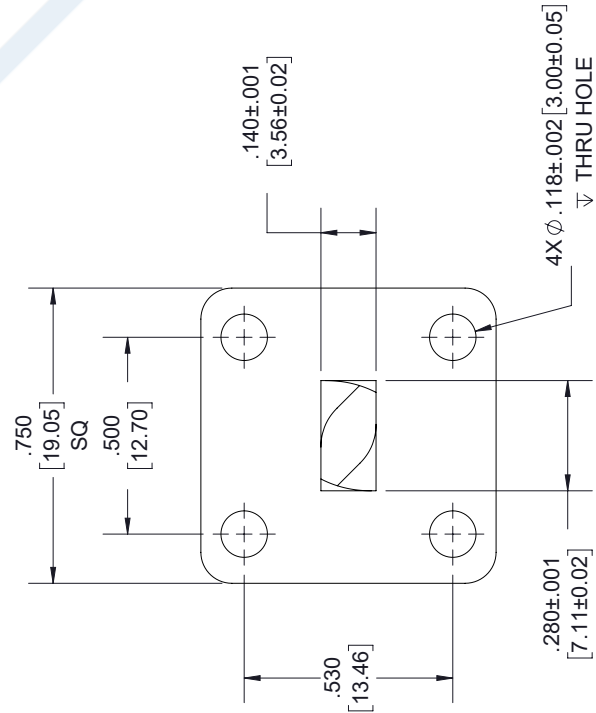
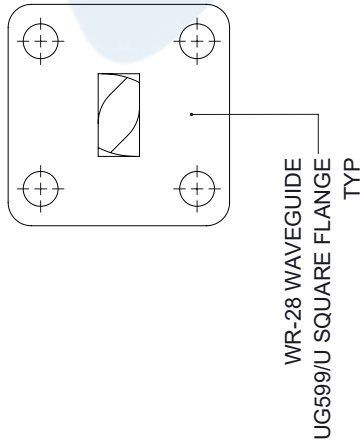
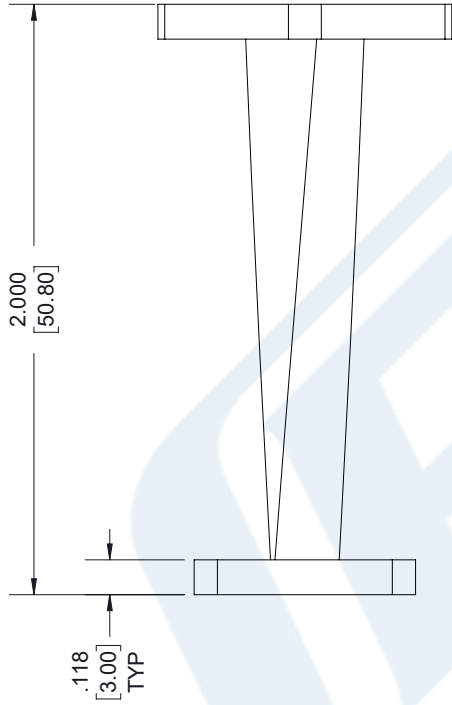
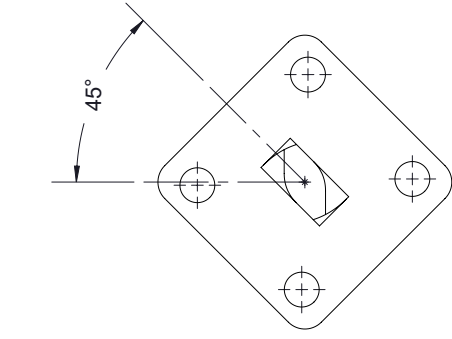
URL: <https://www.pasternack.com/wr-28-45-waveguide-twist-ug595-26.5-40-ghz-pew28tw001-p.aspx>

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PEW28TW001 CAD Drawing

WR-28 45 Degree Right-hand Waveguide Twist with a UG-595/U Flange Operating from 26.5 GHz to 40 GHz

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/05/19	S.PONG



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS			
TOLERANCES:			
X±.2	[5.08]	FRACTIONS	
XX±.01	[.25]		+132
XXX±.005	[.13]	ANGLES ± 1°	
ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.			
THIRD-ANGLE PROJECTION			

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SIZE	CAGE	DRAWN BY	PART NUMBER
A	53919	K.DANG	PEW28TW001
			REV
			A

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SCALE	N/A		

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