



WR-42 Instrumentation Grade Waveguide E-Bend with
UG-595/U Flange Operating from 18 GHz to 26.5 GHz

TECHNICAL DATA SHEET

PEW42B101

Pasternack's PEW42B101 is an E-Plane, 90 degree, WR-42 waveguide bend that operates from 18 GHz to 26.5 GHz. This waveguide bend offers a maximum VSWR of 1.10 and a typical insertion loss of 0.20 dB. The input of this waveguide section has a UG-595/U Flange. PEW42B101 is part of over 40,000 RF, microwave and millimeter wave components. Our instrumentation grade WR-42 waveguide bend will ship worldwide the same day it is purchased along with our other RF components.

- 90° Bend
- E-Plane
- WR-42 Waveguide
- UG-595/U Flange
- 18 GHz to 26.5 GHz Frequency Range
- Comprehensive waveguide offering also includes Straight Sections, H-Bends, Waveguide to Coax Adapters, Filters, Terminations, and more.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	18		26.5	GHz
VSWR			1.1:1	
Insertion Loss		0.2		dB

Mechanical Specifications

Waveguide Size
Waveguide Design

WR-42
Instrumentation Grade

Description	Flange 1	Waveguide	Flange 2
Flange Type	Square Cover		Square Cover
Flange Designation	UG-595/U	WR-42	UG-595/U
Material	Brass Copper	Brass Copper	Brass Copper
Plating	Gold	Gold	Gold

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

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-42 Instrumentation Grade Waveguide E-Bend with UG-595/U Flange Operating from 18 GHz to 26.5 GHz PEW42B101



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WR-42 Instrumentation Grade Waveguide E-Bend with UG-595/U Flange Operating from 18 GHz to 26.5 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-42 Instrumentation Grade Waveguide E-Bend with UG-595/U Flange Operating from 18 GHz to 26.5 GHz PEW42B101](https://www.pasternack.com/wr-42-waveguide-e-bend-ug-595-flange-18-26.5-ghz-pew42b101-p.aspx)

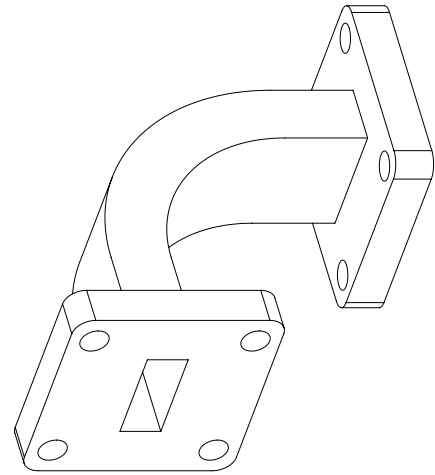
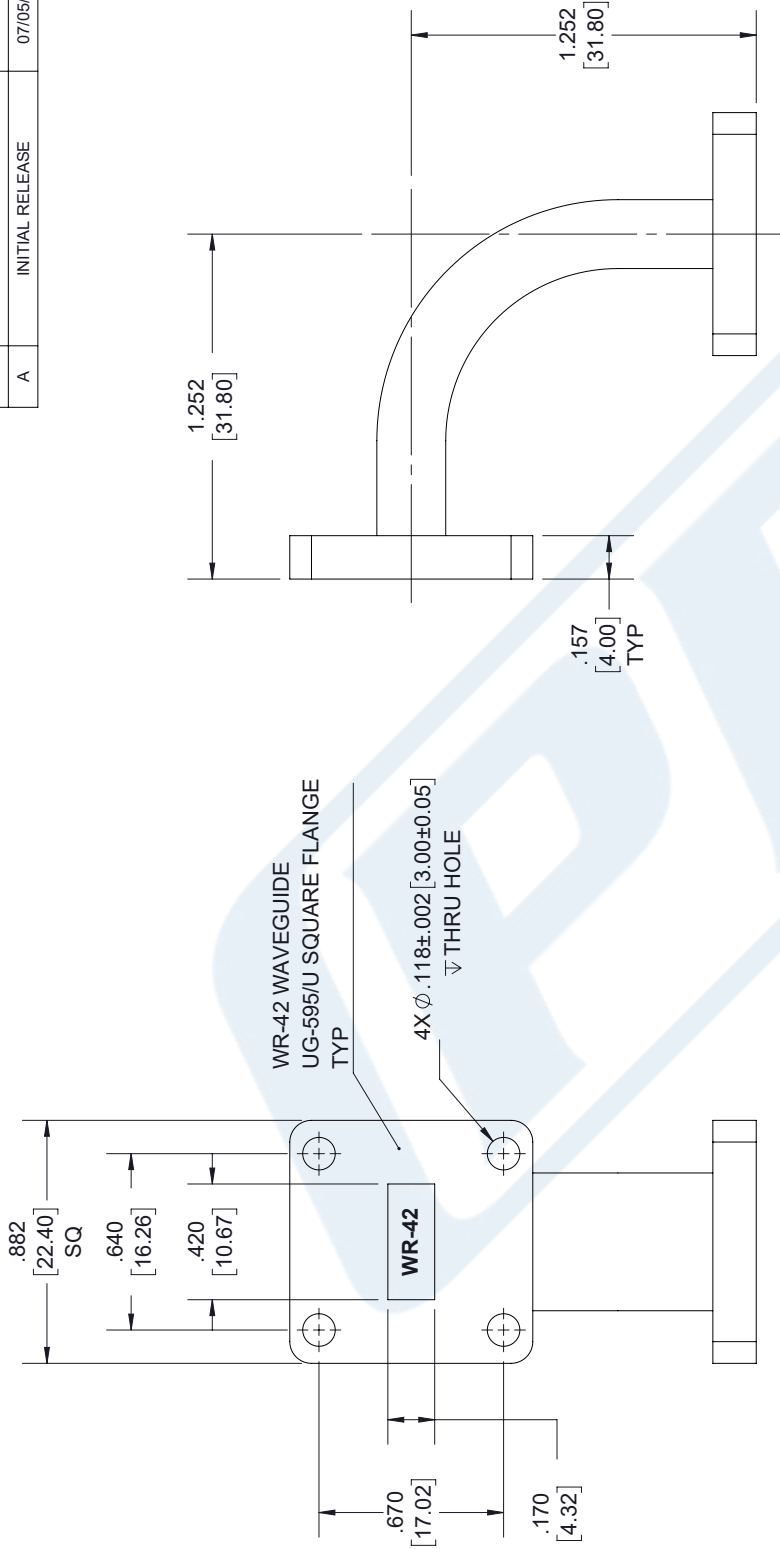
URL: <https://www.pasternack.com/wr-42-waveguide-e-bend-ug-595-flange-18-26.5-ghz-pew42b101-p.aspx>

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PEW42B101 CAD Drawing

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



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

PE PASTERNAK an INFINITI brand	
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SIZE	SCALE
A	N/A
CAGE	SHEET
53919	1 OF 1
DRAWN BY	OF
K.DANG	1
PART NUMBER	REV
PEW42B101	A

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