

WR-6 Instrumentation Grade Straight Waveguide
Section 12 Inch Length, UG-387/U-Mod Round
Cover Flange from 110 GHz to 170 GHz



TECHNICAL DATA SHEET

PEW06S000-12

Pasternack's PEW06S000-12 is a 12 inch WR-6 straight waveguide section that operates from 110 GHz to 170 GHz. This straight waveguide section offers a typical 1.5 dB insertion loss and a typical 1.15 VSWR. The input of this straight waveguide section has a UG-387/U-M Flange. PEW06S000-12 is part of over 40,000 RF, microwave and millimeter wave components. Our instrumentation grade WR-6 straight waveguide section will ship worldwide the same day it is purchased along with our other RF components.

Features

- 12" Length
- WR-6 Waveguide
- UG-387/U-M Flange
- 110 GHz to 170 GHz Frequency Range
- Comprehensive waveguide offering also includes E-Bends, H-Bends, Waveguide to Coax Adapters, Filters, Terminations, and more.

Applications

- Millimeter Wave
- Transmission Systems
- Test and Laboratory Setups

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	110		170	GHz
VSWR		1.15:1		
Insertion Loss		1.5		dB

Mechanical Specifications

Waveguide Size WR-6
Waveguide Design Instrumentation Grade
Section Length 12 in [304.8 mm]

Description	Flange 1	Waveguide	Flange 2
Flange Type	Round Cover		Round Cover
Flange Designation	UG-387/U-Mod	WR-6	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

Size

Weight 0.05 lbs [22.68 g]

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

Notes:

- Values at +25 °C, sea level

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: WR-6 Instrumentation Grade Straight Waveguide Section 12 Inch Length, UG-387/U-Mod Round Cover Flange from 110 GHz to 170 GHz PEW06S000-12

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WR-6 Instrumentation Grade Straight Waveguide Section 12 Inch Length, UG-387/U-Mod Round Cover Flange from 110 GHz to 170 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-6 Instrumentation Grade Straight Waveguide Section 12 Inch Length, UG-387/U-Mod Round Cover Flange from 110 GHz to 170 GHz PEW06S000-12](https://www.pasternack.com/wr-6-instrumentation-grade-straight-waveguide-section-ug387-mod-round-pew06s000-12-p.aspx)

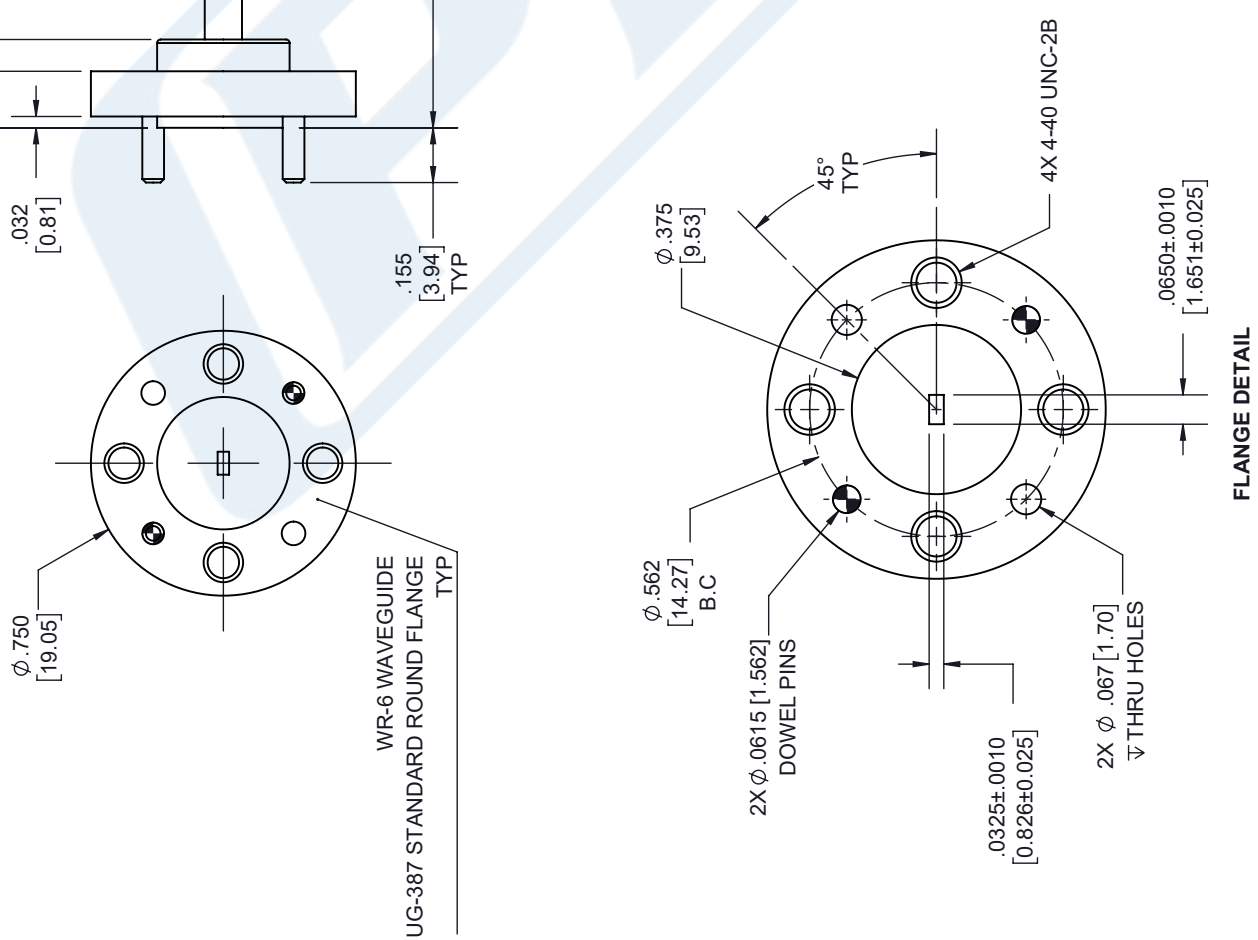
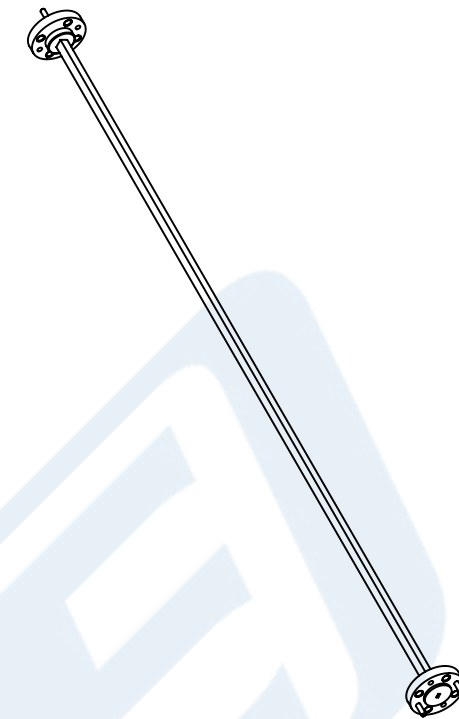
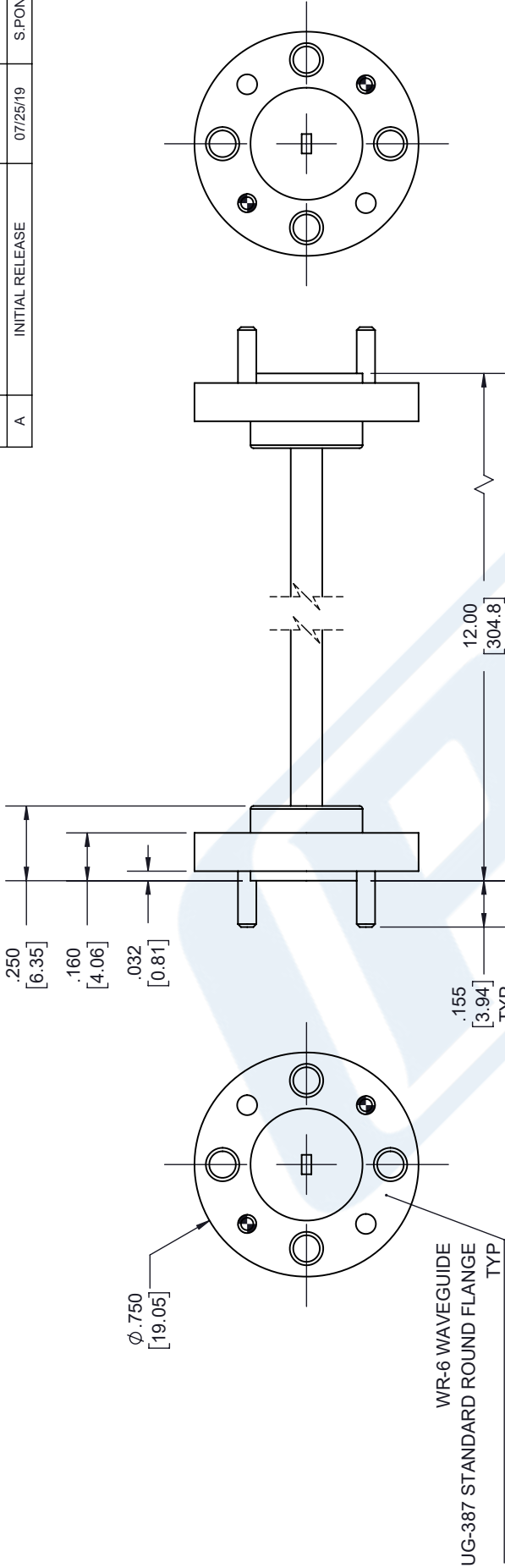
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PEW06S000-12 CAD Drawing

WR-6 Instrumentation Grade Straight Waveguide Section 12 Inch Length,
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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	07/25/19	S.PONG



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
X±.2 [5.08] FRACTIONS
XX±.01 [0.25] ±1/32
XXX±.005 [0.13] ANGLES ± 1°

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.
THIRD-ANGLE PROJECTION

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SHEET 1 OF 1
SCALE N/A

SIZE A
CAGE NUMBER 53919
DRAWN BY K.DANG
PART NUMBER PEW06S000-12
REV A

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