

WR-10 Waveguide Probe Antenna Operating from
75 GHz to 110 GHz with a Nominal 6.5 dBi Gain
with UG-387/U-Mod Round Cover Flange

Waveguide Antennas Technical Data Sheet

PEWAN1126

Features

- Rectangular Waveguide Interface
- Precisely Machined and Gold Plated
- Linear Polarization
- High Return Loss

Applications

- Antenna Ranges
- Antenna Gain Measurements
- System Setups

Description

Pasternack's PEWAN1126 is a W-Band probe antenna that operates from 75 GHz to 110 GHz. The antenna offers 6.5 dBi nominal gain and 115 degrees typical half power beam width on the E-Plane and 60 degrees typical half power beam width on the H-Plane. The antenna supports linear polarized waveforms. The input of this antenna is a WR-10 waveguide with UG387/U-M flange.

Configuration

Design
Polarization

WR-10 Probe
Linear

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	75		110	GHz
Nominal Gain		6.5		dBi
Horizontal Half Power Beam Width		60		Degrees
Vertical Half Power Beam Width		115		Degrees
VSWR		2:1		

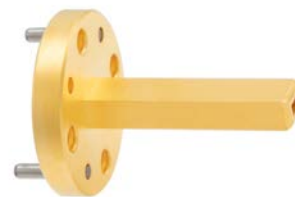
Mechanical Specifications

Size
Length 1 in [25.4 mm]
Width 0.75 in [19.05 mm]
Height 0.75 in [19.05 mm]
Weight 0.115 lbs [52.16 g]

Waveguide Interface

Waveguide Size WR-10
Flange Type Round Cover
Flange Designation UG-387/U-Mod
Body Material and Plating Brass, Gold

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-10 Waveguide Probe Antenna Operating from 75 GHz to 110 GHz with a Nominal 6.5 dBi Gain with UG-387/U-Mod Round Cover Flange PEWAN1126](#)



WR-10 Waveguide Probe Antenna Operating from
75 GHz to 110 GHz with a Nominal 6.5 dBi Gain
with UG-387/U-Mod Round Cover Flange

Waveguide Antennas Technical Data Sheet

PEWAN1126

Environmental Specifications

Temperature

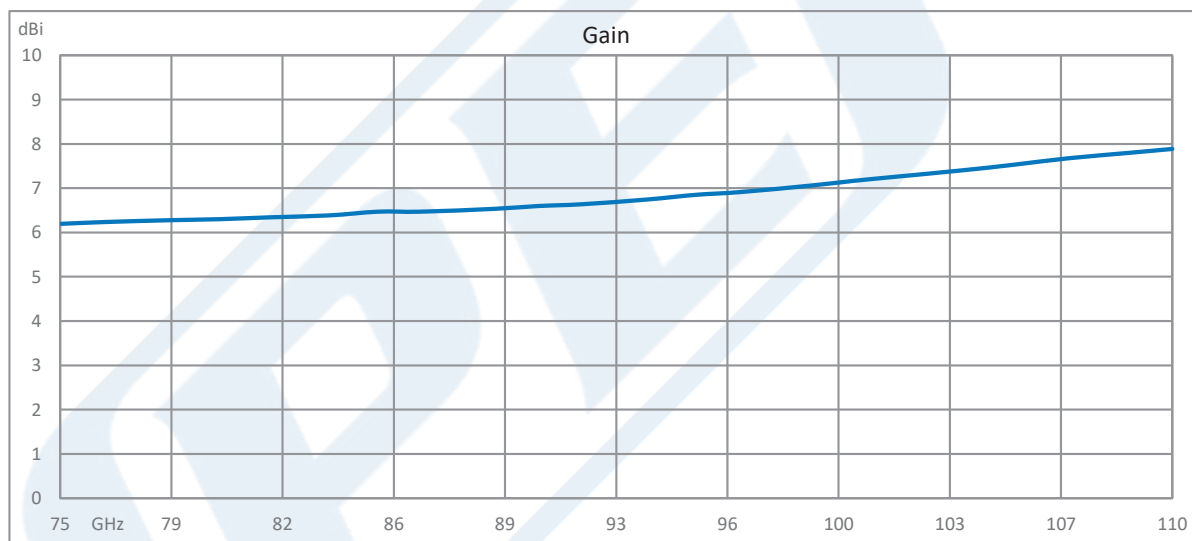
Operating Range

-40 to 85 deg C

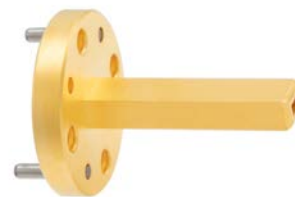
Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Typical Performance Data



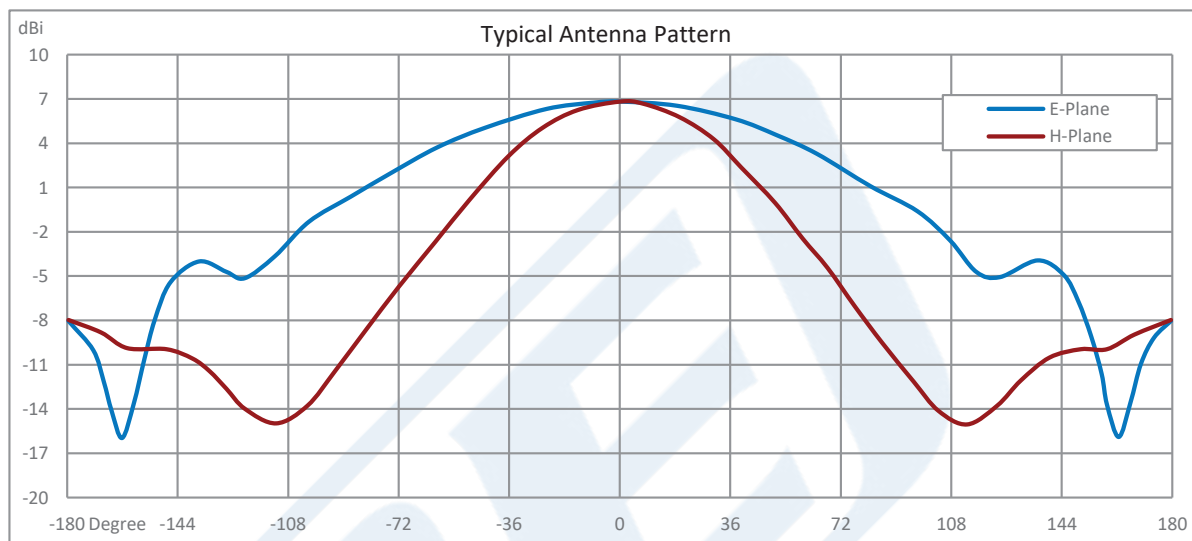
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-10 Waveguide Probe Antenna Operating from 75 GHz to 110 GHz with a Nominal 6.5 dBi Gain with UG-387/U-Mod Round Cover Flange PEWAN1126](#)



WR-10 Waveguide Probe Antenna Operating from
75 GHz to 110 GHz with a Nominal 6.5 dBi Gain
with UG-387/U-Mod Round Cover Flange

Waveguide Antennas Technical Data Sheet

PEWAN1126



WR-10 Waveguide Probe Antenna Operating from 75 GHz to 110 GHz with a Nominal 6.5 dBi Gain with UG-387/U-Mod Round Cover Flange 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.

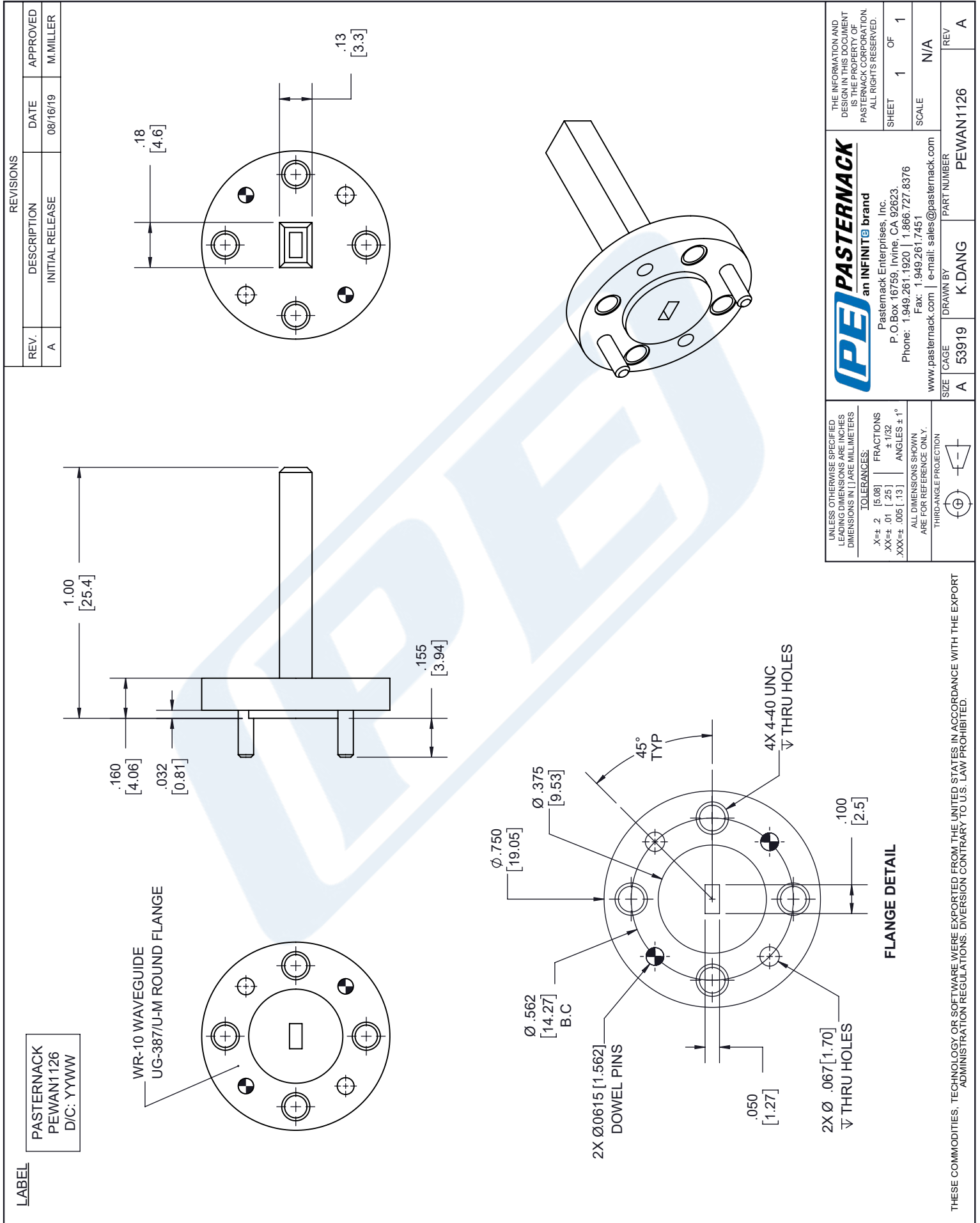
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-10 Waveguide Probe Antenna Operating from 75 GHz to 110 GHz with a Nominal 6.5 dBi Gain with UG-387/U-Mod Round Cover Flange PEWAN1126](https://www.pasternack.com/wr-10-waveguide-gain-horn-antenna-6.5dbi-ug-387-mod-round-flange-pewan1126-p.aspx)

URL: <https://www.pasternack.com/wr-10-waveguide-gain-horn-antenna-6.5dbi-ug-387-mod-round-flange-pewan1126-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PEWAN1126 CAD Drawing

WR-10 Waveguide Probe Antenna Operating from 75 GHz to 110 GHz with
a Nominal 6.5 dBi Gain with UG-387/U-Mod Round Cover Flange



PE PASTERNAK an INFINITE brand		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS RESERVED.	
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		SHEET 1 OF 1 SCALE N/A	
SIZE A CAGE CODE 53919 DRAWN BY K.DANG PART NUMBER PEWAN1126		REV A	

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

TOLERANCES:
X±.2 [5.08] FRACTIONS
XX±.01 [.25] ±1/32
XXX±.005 [.13] ANGLES ±1°

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

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.

4
T Rev. B