



WR-28 Waveguide Omni-directional Antenna, 26.5 GHz to 40 GHz Frequency Range, 7.5 dBi Gain, UG-599/U Flange

Waveguide Antennas Technical Data Sheet

PEWAN1133

Features

- 360° Azimuth Coverage
- 10° Vertical 3 dB Beamwidth
- Vertically Polarized

Applications

- Communications Links Including 5G
- EW Systems
- Indoor Local Area Networks

Description

Pasternack's PEWAN1133 is a WR-28 omnidirectional antenna that operates between 26.5 GHz and 40 GHz. This vertically polarized antenna offers 360 degrees azimuth coverage with ± 1 dB angular gain flatness. The antenna features a half power beam width of 10 degrees in the vertical direction and typical 7.5 dB gain across the entire frequency range. The input of this antenna is a WR-28 waveguide with UG-599/U flange.

Configuration

Design	WR-28 Omni-directional
Pattern	Omni Directional
Polarization	Vertical

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	26.5		40	GHz
Nominal Gain		7.5		dBi
Gain Flatness		± 1		dB
Horizontal Half Power Beam Width		360		Degrees
Vertical Half Power Beam Width		10		Degrees
VSWR		2:1		
Input Power (CW)			200	Watts

Mechanical Specifications

Size	
Length	5.7 in [144.78 mm]
Width	5.7 in [144.78 mm]
Height	3.39 in [86.11 mm]
Weight	2.2 lbs [997.9 g]

Waveguide Interface

Waveguide Size	WR-28
----------------	-------

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-28 Waveguide Omni-directional Antenna, 26.5 GHz to 40 GHz Frequency Range, 7.5 dBi Gain, UG-599/U Flange PEWAN1133](#)



WR-28 Waveguide Omni-directional Antenna, 26.5 GHz to 40 GHz Frequency Range, 7.5 dBi Gain, UG-599/U Flange

Waveguide Antennas Technical Data Sheet

PEWAN1133

Flange Type
Flange Designation
Body Material and Plating

Square Cover
UG-599/U
Aluminum, Chem Film

Environmental Specifications

Temperature

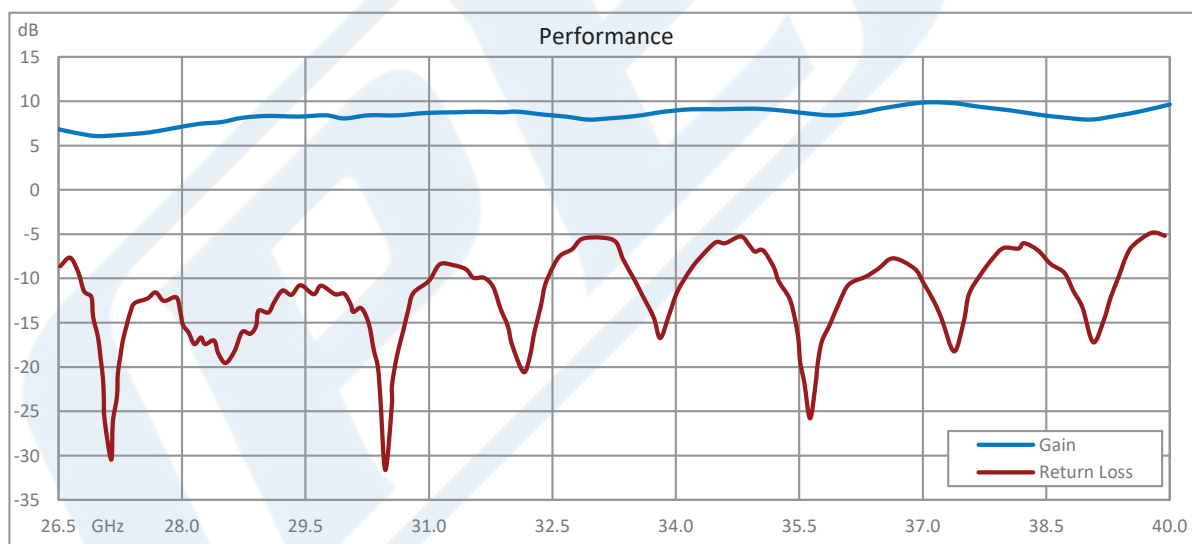
Operating Range

-40 to 85 deg C

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

Plotted and Other Data

Typical Performance Data



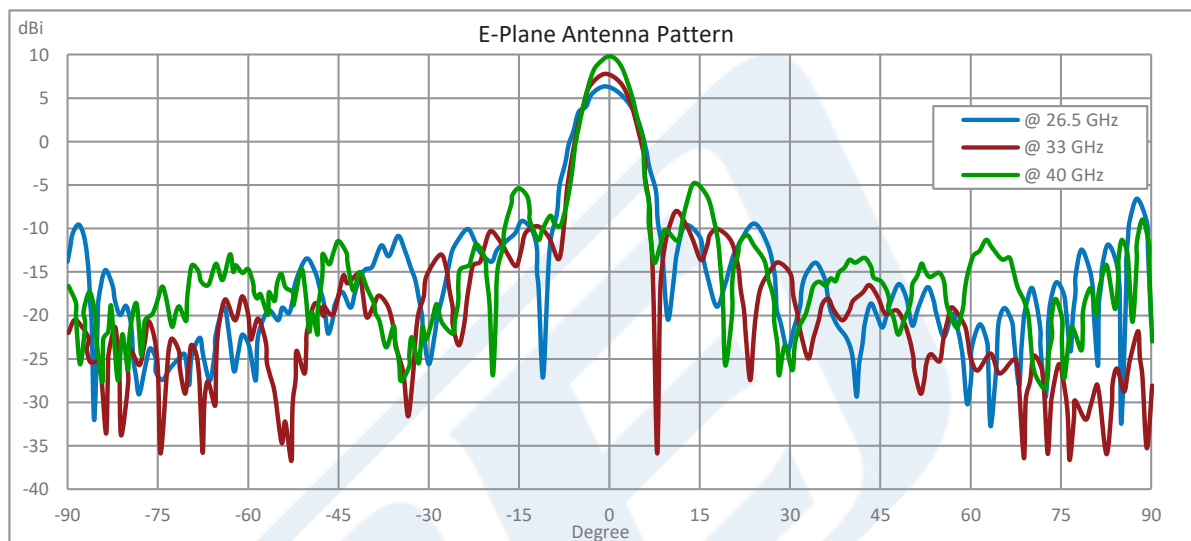
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-28 Waveguide Omni-directional Antenna, 26.5 GHz to 40 GHz Frequency Range, 7.5 dBi Gain, UG-599/U Flange PEWAN1133](#)



WR-28 Waveguide Omni-directional Antenna, 26.5 GHz to 40 GHz Frequency Range, 7.5 dBi Gain, UG-599/U Flange

Waveguide Antennas Technical Data Sheet

PEWAN1133



WR-28 Waveguide Omni-directional Antenna, 26.5 GHz to 40 GHz Frequency Range, 7.5 dBi Gain, UG-599/U 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.

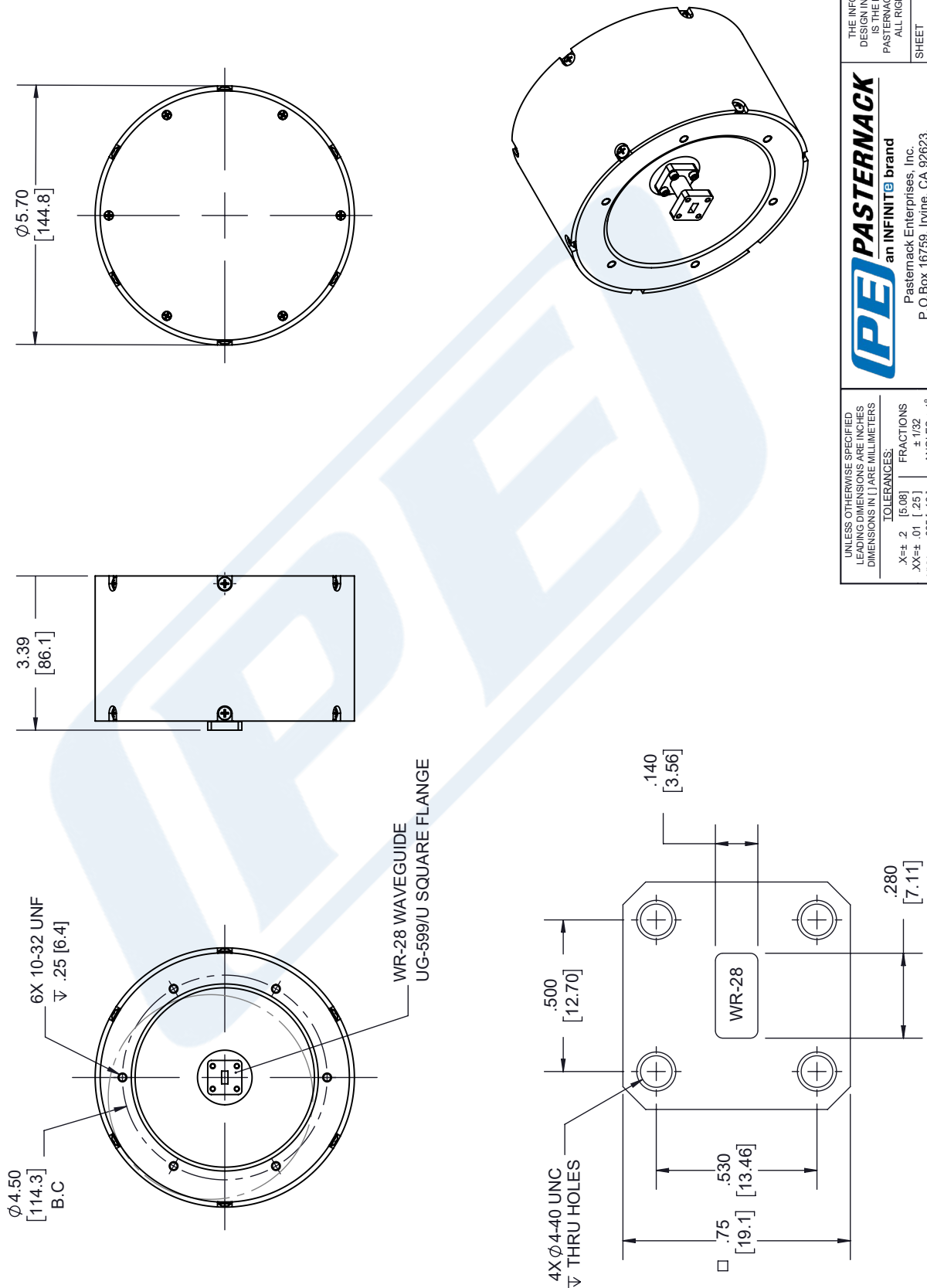
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-28 Waveguide Omni-directional Antenna, 26.5 GHz to 40 GHz Frequency Range, 7.5 dBi Gain, UG-599/U Flange PEWAN1133](https://www.pasternack.com/wr-28-waveguide-gain-horn-antenna-7.5dbi-ug-599-square-flange-pewan1133-p.aspx)

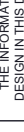
URL: <https://www.pasternack.com/wr-28-waveguide-gain-horn-antenna-7.5dbi-ug-599-square-flange-pewan1133-p.aspx>

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.

WR-28 Waveguide Omni-directional Antenna, 26.5 GHz to 40 GHz
Frequency Range, 7.5 dBi Gain, UG-599/U Flange

PASTERNAK
PEWAN1133
D/C: YYWW



UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS			PASTERNAK an INFINITE® brand		THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF PASTERNAK CORPORATION. ALL RIGHTS ARE RESERVED.
	Pasternack Enterprises, Inc. P.O. Box 16759, Irvine, CA 92623 Phone: 1.949.261.1920 1.866.727.8376 Fax: 1.949.261.1451 www.pasternack.com e-mail: sales@pasternack.com				
TOLERANCES: X±.2 [5.08] FRACTIONS XX±.01 [25] ±.1/32 XXX±.005 [13] ANGLES ±.4°		ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.		SHEET 1 OF 1	SCALE N/A
THIRD-ANGLE PROJECTION  		SIZE / CASE A 53919	DRAWN BY K.DANG	PART NUMBER PEWAN1133	REV A

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.