



WR-28 Waveguide Probe Antenna Operating
from 26.5 GHz to 40 GHz with a Nominal 6.5 dBi
Gain with UG-599/U Square Cover Flange

Waveguide Antennas Technical Data Sheet

PEWAN1131

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 PEWAN1131 is a Ka-Band probe antenna that operates from 26.5 GHz to 40 GHz. The antenna offers 6.5 dBi nominal gain and 115 degrees typical half power beamwidth on the E-Plane and 60 degrees typical half power beamwidth on the H-Plane. The antenna supports linear polarized waveforms. The input of this antenna is a WR-28 waveguide with UG599/U flange.

Configuration

Design
Polarization

WR-28 Probe
Linear

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	26.5		40	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 2.8 in [71.12 mm]
Width 0.75 in [19.05 mm]
Height 0.75 in [19.05 mm]
Weight 0.1115 lbs [50.58 g]

Waveguide Interface

Waveguide Size WR-28
Flange Type Square Cover
Flange Designation UG-599/U
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-28 Waveguide Probe Antenna Operating from 26.5 GHz to 40 GHz with a Nominal 6.5 dBi Gain with UG-599/U Square Cover Flange PEWAN1131](#)



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Environmental Specifications

Temperature

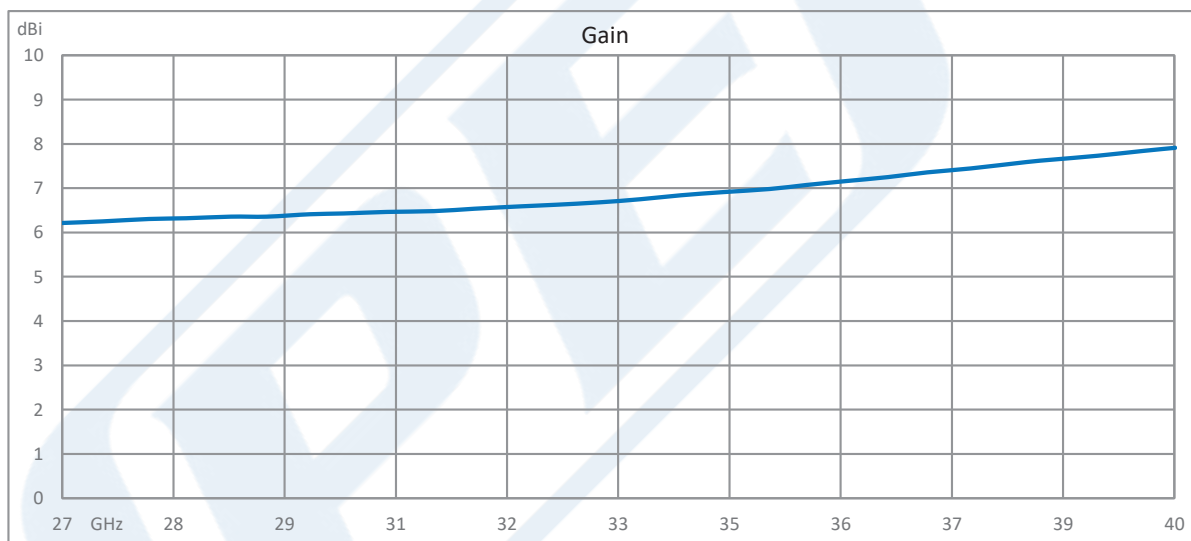
Operating Range

-40 to 85 deg C

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

Plotted and Other Data

Typical Performance Data



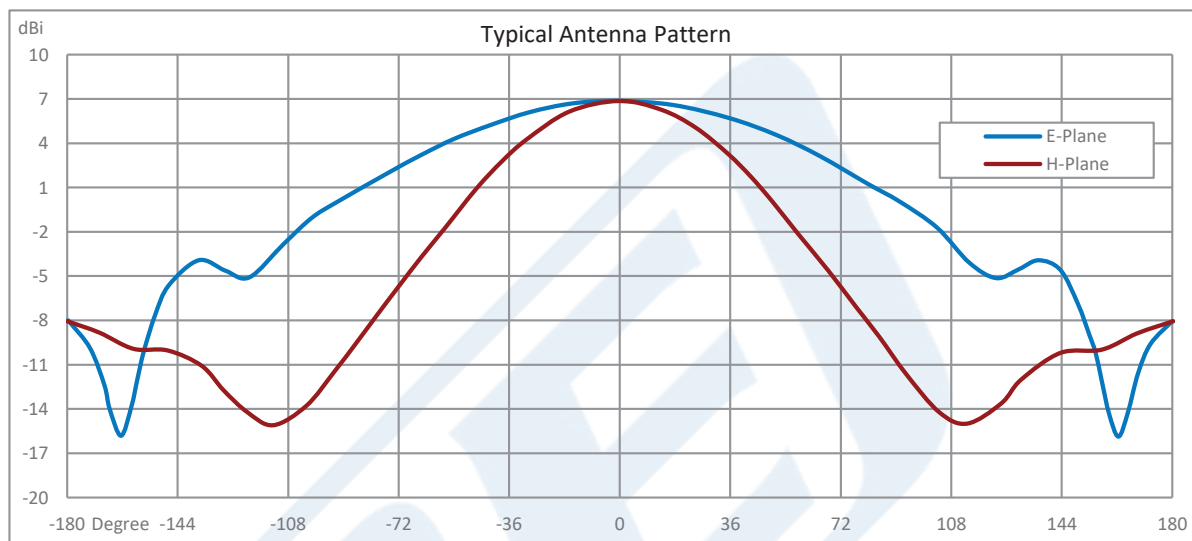
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WR-28 Waveguide Probe Antenna Operating from 26.5 GHz to 40 GHz with a Nominal 6.5 dBi Gain with UG-599/U Square Cover Flange from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

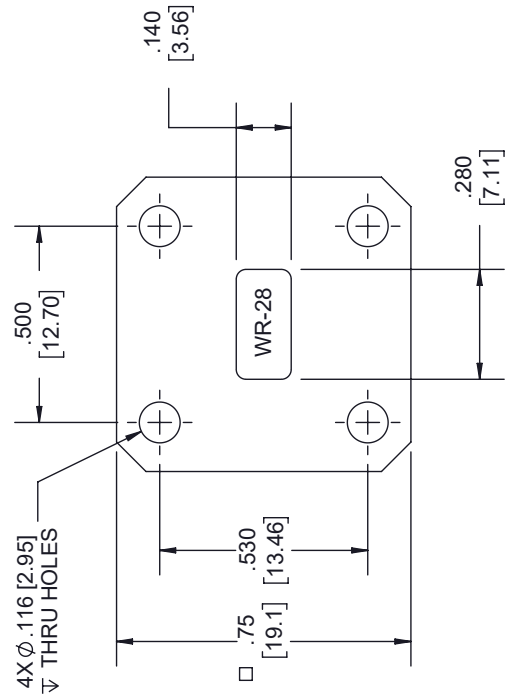
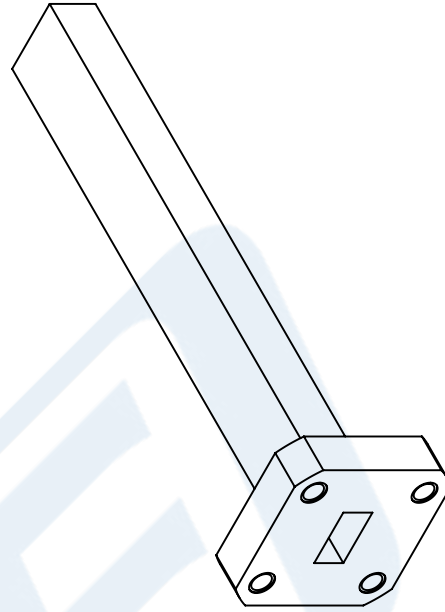
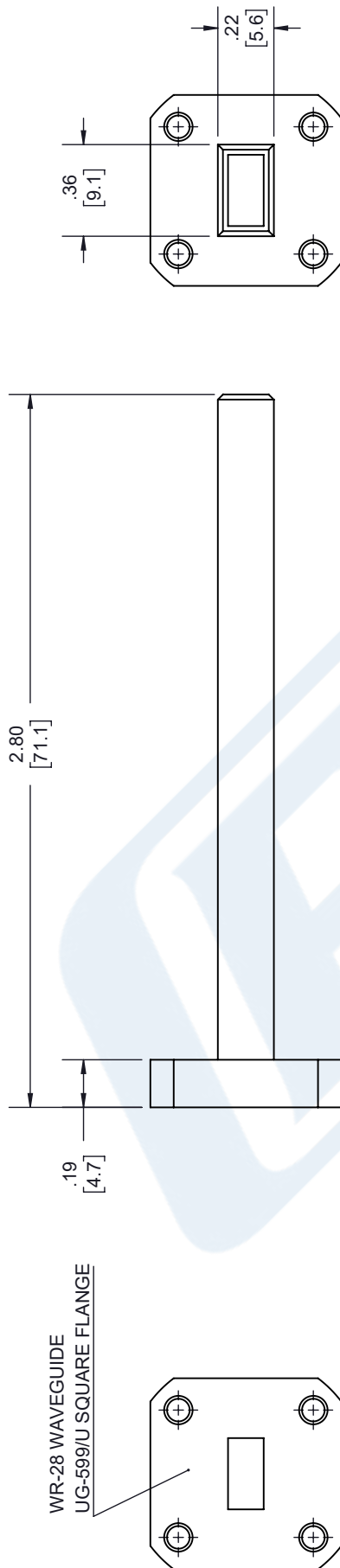
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URL: <https://www.pasternack.com/wr-28-waveguide-gain-horn-antenna-6.5dbi-ug-599-square-flange-pewan1131-p.aspx>

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PEWAN1131
D/C: YYWW



FLANGE DETAIL

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