



WR-34 Waveguide Probe Antenna Operating from 22 GHz to 33 GHz with a Nominal 6.5 dBi Gain with UG-1530/U Square Cover Flange

Waveguide Antennas Technical Data Sheet

PEWAN1132

**Features**

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

**Applications**

- 5G Systems
- Antenna Ranges
- Antenna Gain Measurements
- System Setups

**Description**

Pasternack's PEWAN1132 is a WR-34 probe antenna that operates from 22 GHz to 33 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-34 waveguide with UG1530/U flange.

**Configuration**

Design: WR-34 Probe  
Polarization: Linear

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	22		33	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: 4.2 in [106.68 mm]  
 Width: 0.875 in [22.23 mm]  
 Height: 0.875 in [22.23 mm]  
 Weight: 0.1485 lbs [67.36 g]

**Waveguide Interface**

Waveguide Size: WR-34  
 Flange Type: Square Cover  
 Flange Designation: UG-1530/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-34 Waveguide Probe Antenna Operating from 22 GHz to 33 GHz with a Nominal 6.5 dBi Gain with UG-1530/U Square Cover Flange PEWAN1132](#)



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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

WR-34 Waveguide Probe Antenna Operating from 22 GHz to 33 GHz with a Nominal 6.5 dBi Gain with UG-1530/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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-34 Waveguide Probe Antenna Operating from 22 GHz to 33 GHz with a Nominal 6.5 dBi Gain with UG-1530/U Square Cover Flange PEWAN1132](#)

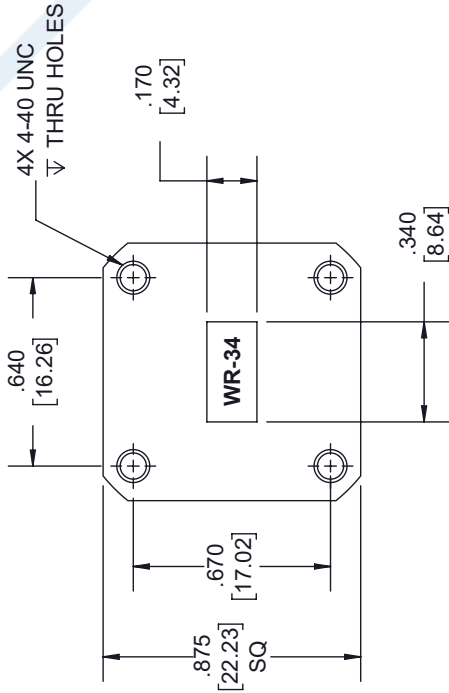
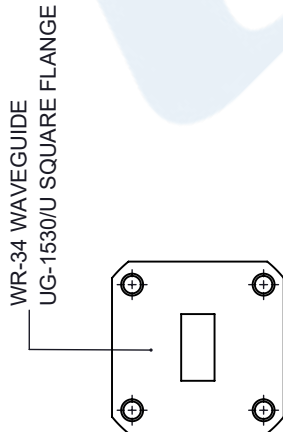
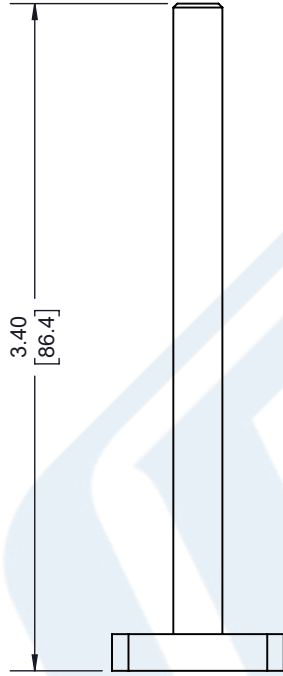
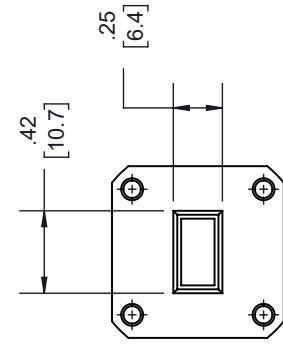
URL: <https://www.pasternack.com/wr-34-waveguide-gain-horn-antenna-6.5dbi-ug-1530-square-flange-pewan1132-p.aspx>

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.

# PEWAN1132 CAD Drawing

WR-34 Waveguide Probe Antenna Operating from 22 GHz to 33 GHz with a Nominal 6.5 dBi Gain with UG-1530/U Square Cover Flange

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
B	PCR PEWAN1132	11/11/2021	K. HIETPAS



**FLANGE DETAIL**

PASTERNAK  
PEWAN1132  
D/C: YYWW

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

TOLERANCES:  
 .X = ±.2 [5.08] | FRACTIONS ± 1/32  
 .XX = ±.02 [ .51] | ANGLES ± 1°  
 .XXX = ±.005 [ .13]

CABLE LENGTH (L), TOLERANCES:  
 L ≤ 12 [305] = +1 [25] / -0  
 12 [305] < L ≤ 60 [1524] = +2 [51] / -0  
 60 [1524] < L ≤ 120 [3048] = +4 [102] / -0  
 120 [3048] < L ≤ 300 [7620] = +6 [152] / -0  
 300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

**PE** **PASTERNAK**<sup>®</sup>  
an INFINITE<sup>®</sup> brand

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SIZE A CAGE CODE 53919 DRAWN BY K.DANG ITEM NO. PEWAN1132 REV A

THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

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