



WR-15 Waveguide Wide Angle Scalar Feed Horn Antenna
 Operating from 55 GHz to 65 GHz with a Nominal
 10 dBi Gain with UG-385/U Round Cover Fla

Gain Horns Technical Data Sheet

PEWAN1070

Features

- Circular Waveguide Interface
- 60 GHz center frequency
- 10 dBi Nominal Gain
- UG-385/U Round Cover Flange

Applications

- Antenna Measurements
- Wireless Communication
- Laboratory Use
- Microwave Radio Systems

Description

Waveguide wide angle scalar feed horn antennas are used in a wide variety of applications due to their high power handling capability, low loss, high directivity, and near constant electrical performance across a broad bandwidth. Pasternack's PEWAN1070 WR-15 waveguide wide angle scalar feed horn antenna operating from 60 GHz center frequency with a nominal 10 dBi gain is part of our full line of RF components available for same-day shipping. This Pasternack circular horn antenna has a gold plated brass body and a precision tolerance UG-385/U round cover flange. The PEWAN1070 WR-15 waveguide wide scalar feed horn antenna offers low gain variation across its operating frequency range.

Configuration

Design	WR-15 Wide Angle Scalar Feed Horn
Pattern	Directional
Polarization	Linear

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	55		65	GHz
Nominal Gain		10		dBi
Horizontal Half Power Beam Width		56		Degrees
Vertical Half Power Beam Width		55		Degrees
VSWR		1.5:1		

Mechanical Specifications

Size

Length	1.43 in [36.32 mm]
Width	0.75 in [19.05 mm]
Height	0.75 in [19.05 mm]
Weight	0.057 lbs [25.85 g]

Waveguide Interface

Waveguide Size	WR-15
Flange Type	Round Cover
Flange Designation	UG-385/U

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [WR-15 Waveguide Wide Angle Scalar Feed Horn Antenna Operating from 55 GHz to 65 GHz with a Nominal 10 dBi Gain with UG-385/U Round Cover Fla PEWAN1070](#)



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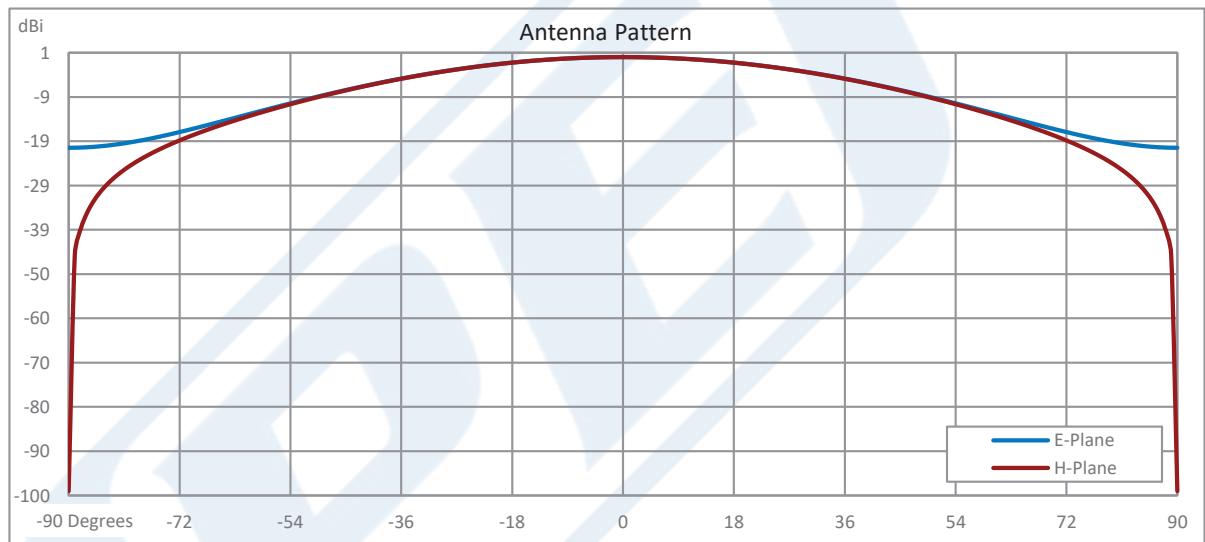
Body Material and Plating

Brass, Gold

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

Plotted and Other Data

Typical Performance Data



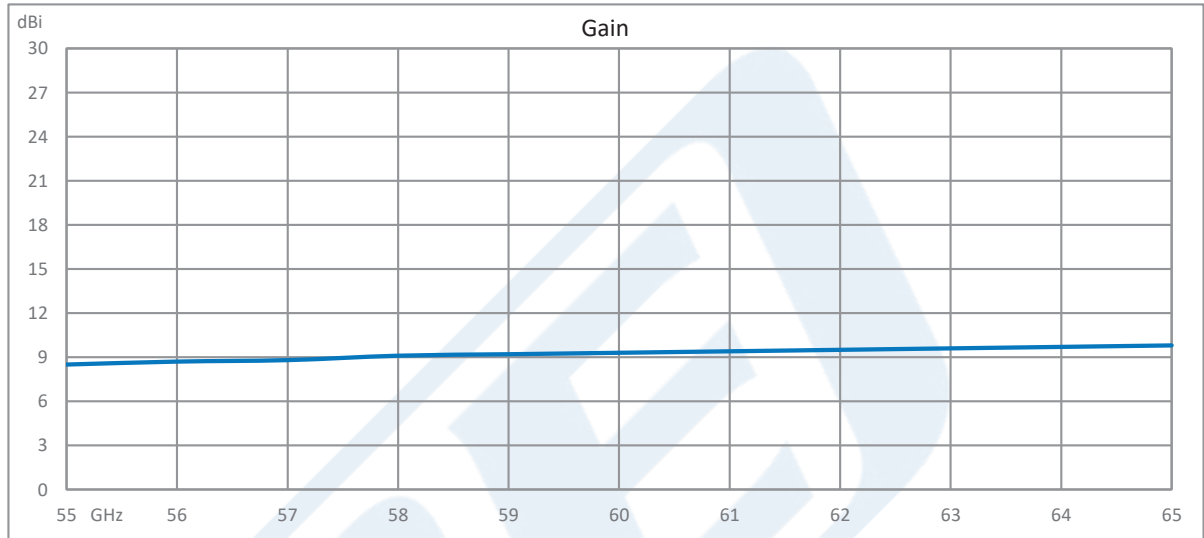
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WR-15 Waveguide Wide Angle Scalar Feed Horn Antenna Operating from 55 GHz to 65 GHz with a Nominal 10 dBi Gain with UG-385/U Round Cover Fla from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

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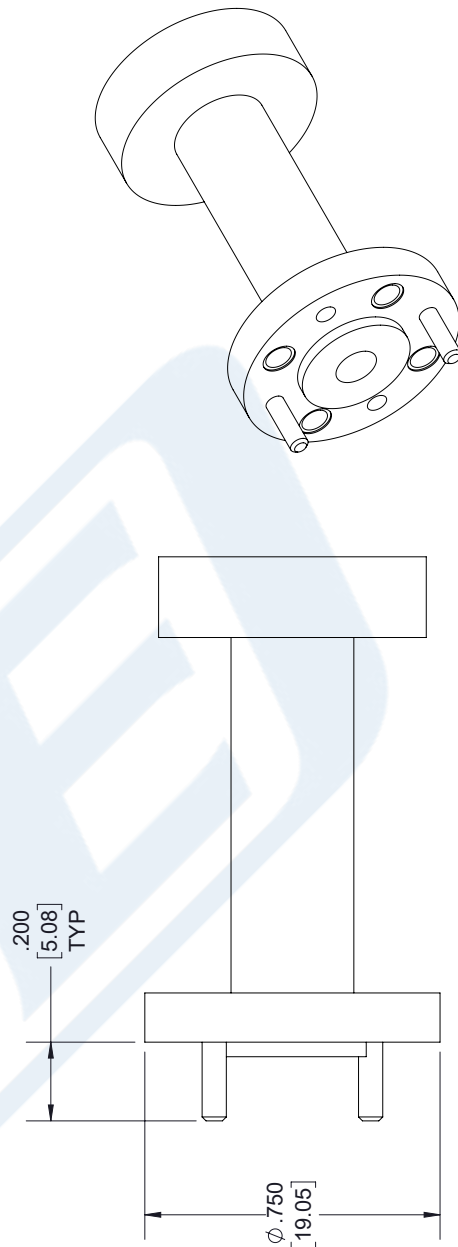
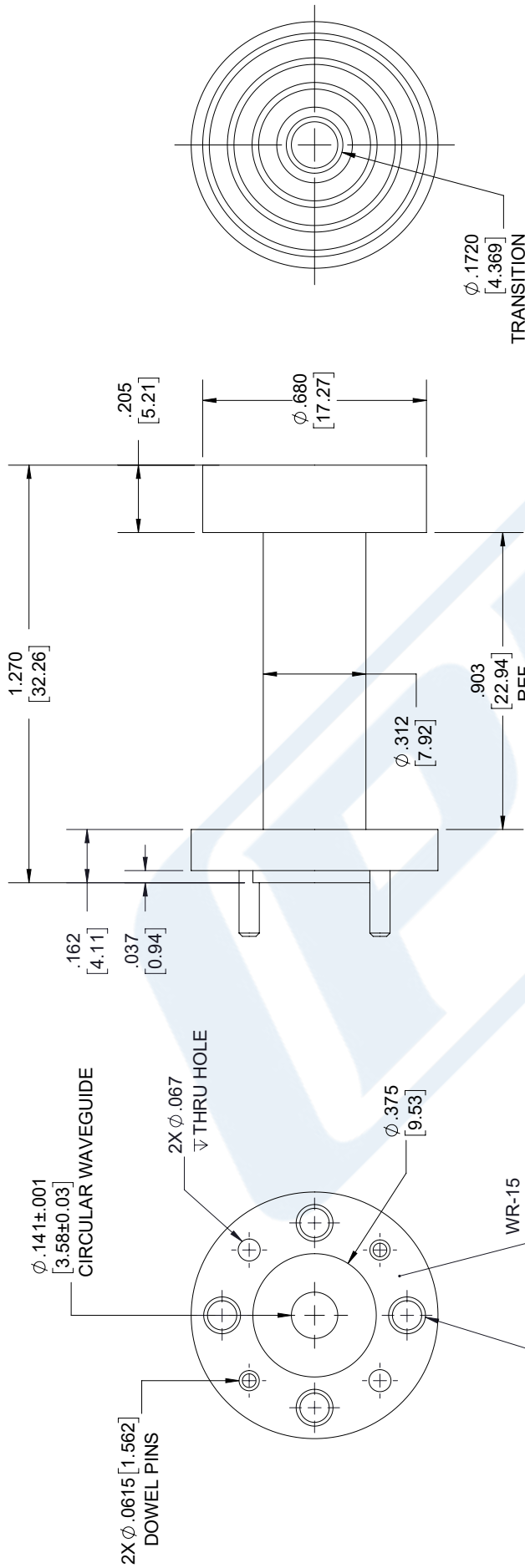
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PEWAN1070 CAD Drawing

WR-15 Waveguide Wide Angle Scalar Feed Horn Antenna Operating from 55 GHz to 65 GHz with a Nominal 10 dBi Gain with UG-385/U Round Cover Fla

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/22/19	M.MILLER



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

TOLERANCES:
 X±.2 [5.08] FRACTIONS
 XX±.01 [0.25] ±.132
 .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 53919
 DRAWN BY K.DANG
 PART NUMBER PEWAN1070
 REV A

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