



Omni-Directional Antenna Operating From 58 GHz to 63 GHz  
With a Nominal 0 dBi Gain and WR-15 Waveguide Input

TECHNICAL DATA SHEET

PE-W15A001

Pasternack's PE-W15A001 is a vertically polarized WR-15 antenna operating between 58 GHz and 63 GHz and has a standard UG387/U flange. This omni-directional antenna has a 35 degree vertical beam width and a 360 degree horizontal gain variation. PE-W15A001 is ideal for short range wireless communications, indoor networks, high frequency applications and millimeter wave 60 GHz development systems. It is constructed with a brass waveguide and aluminum body.

**Configuration**

Design	Fixed Waveguide
Frequency Range	58 to 63 GHz
Polarization	Vertical
Interface 1	WR-15
Interface 1 Specification	UG387/U
Housing Material and Plating	Aluminum

**Electrical Specifications** (Values at 25°C, sea level)

Description	Minimum	Typical	Maximum	Units
Gain Variation		3		dBi
Horizontal 3dB Beam Width		360		Degrees
Vertical 3dB Beam Width		35		Degrees
Input Power	1			Watts

**Mechanical Specifications**

Radome Material	Rexolite
Housing Material	Aluminum
<b>Size</b>	
Length	1.78 in [45.21 mm]
Width	4 in [101.6 mm]

**Connectors**

Description	Connector 1	Connector 2	Connector 3
Outer Conductor Material and Plating	Brass		
Body Material and Plating	Brass		

**Compliance Certifications** (visit [www.Pasternack.com](http://www.Pasternack.com) for current document)

RoHS Compliant

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Omni-Directional Antenna Operating From 58 GHz to 63 GHz With a Nominal 0 dBi Gain and WR-15 Waveguide Input PE-W15A001](#)



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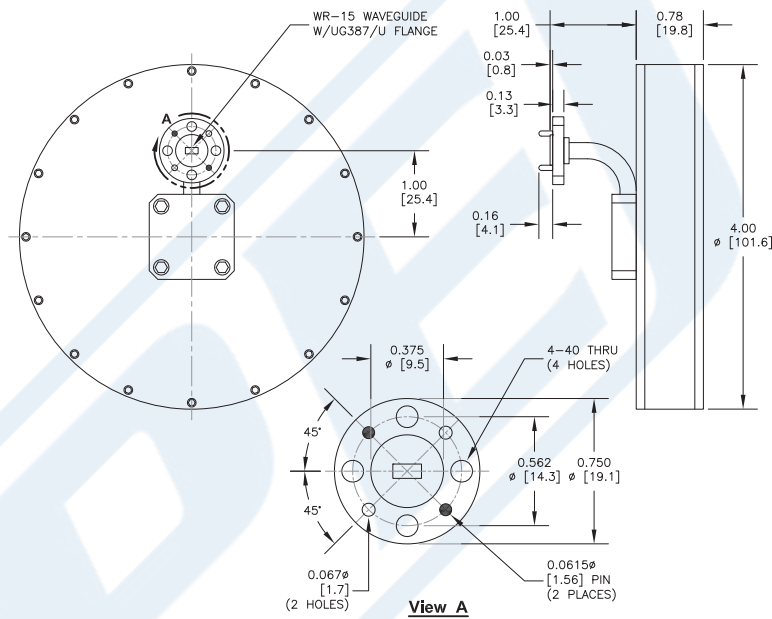
PE-W15A001

**Plotted and Other Data**

Notes:

- Values at 25 °C, sea level

**Outline Drawing**



Omni-Directional Antenna Operating From 58 GHz to 63 GHz With a Nominal 0 dBi Gain and WR-15 Waveguide Input from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

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