



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
Size	
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 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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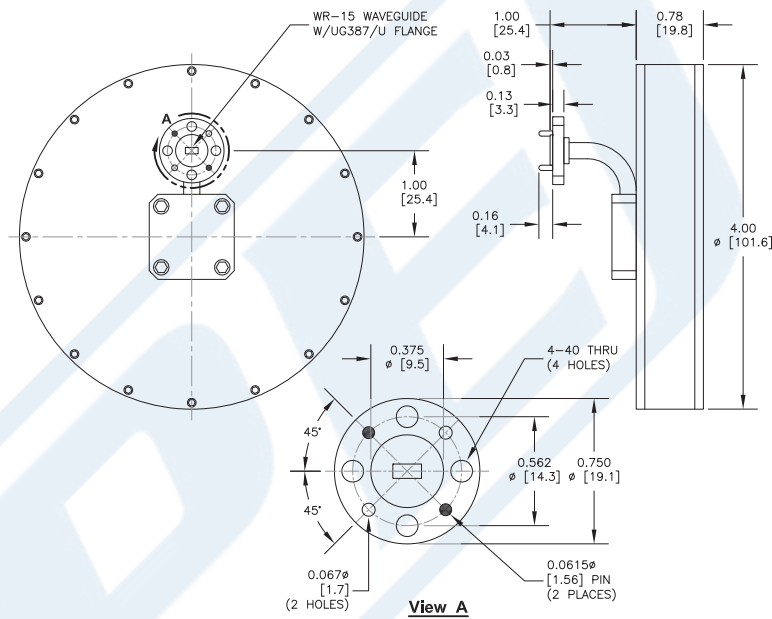
PE-W15A001

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.

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](http://www.pasternack.com/omnidirectional-antenna-58-63-ghz-0-dbi-gain-wr-15-waveguide-pe-w15a001-p.aspx)

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