

3300-3800 MHz 8 dBi Gain Omnidirectional Dual Pol MIMO
Antenna - Type N Female Connector, PVC Radome

HG3508DPU-45



Features

- All weather operation
- $\pm 45^\circ$ Slant
- 2x2 MIMO
- PVC radome
- Integral N-Female connectors
- Commercial grade design
- 360° Omnidirectional Pattern

Applications

- Point to Multipoint and Non Line of Sight (NLOS) Applications
- 8 dBi gain
- 3500, LTE, and CBRS Cellular Band Operation

Description

The L-com HG3508DPU-45 is a high performance 5G / LTE outdoor omnidirectional antenna specifically designed for cellular networks. L-com's HG3508DPU-45 has 8 dBi gain and can be used to broadcast Cellular LTE signals. The HG3508DPU-45 operates from 3300 to 3800 MHz which is ideal for 5G, LTE, and 2x2 MIMO applications in CBRS band. The Multi-Band design of the L-com HG3508DPU-45 antenna eliminates the need to purchase different antennas for each frequency. This simplifies installations since the same antenna can be used for a wide array of telecommunication applications where wide coverage is desired.

The HG3508DPU-45 from L-com has omnidirectional patterns with Dual Slant ($\pm 45^\circ$) polarization and features Type N connectors. The Type N connectorized HG3508DPU-45 antenna from L-com is designed specifically for outdoor operation and is ideal for and point to multipoint use in large open areas such as base station installations or large campuses. The included mounting bracket and hardware makes this antenna very easy to install. This 5G / LTE outdoor omnidirectional antenna just like our wide selection of superior quality RF parts, ship same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other L-com products.

Configuration

Design	Omni
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical/Horizontal
Connector Type	N Female
Number of Ports	2
Lightning Protection	DC Ground
Housing Material and Plating	Gray

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	3,300		3,800	MHz
Input VSWR		2:1		
Impedance		50		Ohms
Gain		9		dBi
Input Power			100	Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[3300-3800 MHz 8 dBi Slant 45 MIMO Omni Antenna, 2 x N Female \(PVC radome\) HG3508DPU-45](#)

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Passive Element Specifications

Description	Minimum	Typical	Maximum	Units
Polarization		±45		

Mechanical Specifications

Radome Material	PVC
Housing Plating/Color	Gray
Radiator Material	Aluminum
Size	
Length	21.7 in [551.18 mm]
Width	3 in [76.2 mm]
Height	3 in [76.2 mm]
Mounting Mast Diameter	1.18 to 2.16 in [29.97 to 54.86 mm]
Weight	2.2 lbs [997.9 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +60 deg C
Wind Survivability	124.274 MPH [200 KPH]

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

Plotted and Other Data

Notes:

3300-3800 MHz 8 dBi Gain Omnidirectional Dual Pol MIMO Antenna - Type N Female Connector, PVC Radome from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

The information contained within 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. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

L-com CAD Drawing

T-Rev.D