

3.35 GHz to 3.6 GHz 15 dBi Back Fire Dish
Antenna Type N Female Connector



HG3515D-1-NF

Features

- Superior performance
- All weather operation
- UV stable powder coat finish
- Die-cast aluminum construction
- Easy to assemble

Applications

- 3.5 GHz Wireless access system
- Point to Point (PtP) and Multi-point to Point (MPtP) Systems
- Wireless Bridges
- Long-range Directional Applications

Description

The L-com HG3515D-1-NF is a high-performance back-fire antenna specifically designed for long-range directional point to point systems, point to multipoint and wireless bridges. L-com's HG3515D-1-NF has 13 to 15 dBi gain. The HG3515D-1-NF operates from 3350 to 3600 MHz which is ideal for WLAN, CBRS or WIMAX backhaul.

The HG3515D-1-NF from L-com has 28° Vertical and Horizontal Beamwidth patterns with vertical or horizontal polarization and features Type N female connectors. The 3350-3600 MHz HG3515D-1-NF is a compact dish that minimizes interference.

The Type N female connectorized HG3515D-1-NF antenna from L-com has mounting bracket and hardware included which makes this antenna very easy to install. This high-performance back-fire 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	Dish
Polarization	Vertical
Connector Type	N Female
Lightning Protection	DC

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	3.35		3.6	GHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		15		dBi
Front to Back Ratio	25			dB
Horizontal (Azimuth) HPBW		28		Degrees
Vertical (Elevation) HPBW		28		Degrees
Input Power			50	Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[3.35 GHz to 3.6 GHz 15 dBi Back Fire Dish Antenna Type N Female Connector HG3515D-1-NF](#)

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HG3515D-1-NF

Mechanical Specifications

Size

Length	11.811 in [300 mm]
Width	15.748 in [400 mm]
Height	20 in [508 mm]
Mounting Mast Diameter	1.57 to 2.36 in [39.88 to 59.94 mm]
Weight	3.08647 lbs [1.4 kg]

Environmental Specifications

Temperature

Operating Range	-40 to +70 deg C
Wind Survivability	124 MPH [199.56 KPH]
Humidity	5 to 95 %

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

Plotted and Other Data

Notes:

3.35 GHz to 3.6 GHz 15 dBi Back Fire Dish Antenna Type N Female Connector 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 impliment 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.

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L-com CAD Drawing

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	04/08/21	KHETPAS

N-FEMALE CONNECTOR

LABEL PER ILS-100-03 SEE NOTE 1

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE IN 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%L /-0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

THE INFORMATION AND DIMENSIONS ON THIS DRAWING IS THE PROPERTY OF L-COM GLOBAL CONNECTIVITY. ALL RIGHTS RESERVED.

SHEET 1 OF 1

SCALE N/A

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an **INFINITE** brand

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SIZE A CAGE CODE 43321 DRAWN BY PD ITEM NO. HG3515D-1-NF REV A

NOTES:

1. LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY)

LABEL LOCATION FOR REFERENCE ONLY

-ALL DIMENSIONS ARE REFERENCE-

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