

2.4/5.8 GHz 3 dBi MIMO Ceiling Antenna N Female Connectors



**HG2458-3SDC-3NF**

**Features**

- Compact Design
- Four Dual Band Inputs Via Antenna Leads with N Male Connectors
- All Weather Operations
- Dual Frequency 2.4 GHz & 5 GHz
- Heavy Duty Steel Mounting Bracket

**Applications**

- 2x2 and 3x3 MIMO Applications
- 5.8 GHz UNII and ISM Applications
- 4.9 GHz Homeland Security and Public Safety Band
- IEEE 802.11a/b/g/n and 802.11ac Wireless Networks
- Point-to-Multipoint Applications

**Description**

The L-com HG2458-3SDC-3NF is a compact dual band omni-directional antenna specifically designed for MIMO (Multiple In / Multiple Out) applications.

The HG2458-3SDC-3NF features a compact and unobtrusive UV resistant radome. Its modern design and aesthetics helps it blend into almost any environment or structure.

Operating on both 2.4 GHz and 5.8 GHz frequencies, the HG2458-3SDC-3NF from L-com is ideal for use with 2x2 or 3x3 MIMO radios since the HG2458-3SDC-2NF features three separate 12 inch (1 foot) antenna leads terminated with N-male connectors. Each lead is dual band and supports both 2.4 GHz and 5.8 GHz.

This antenna's construction features a durable UV resistant ABS radome for durability and ruggedness. Its mounting system is optimized for ceiling mount with an integrated nut and screw.

This 2.4 / 5.8 GHz ceiling antenna, as well as 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	Ceiling
Application Band	WLAN/MIMO
Band Type	Dual
Radiation Pattern	Omni Directional
Polarization	Vertical
Cable Length	12 in [304.8 mm]
Connector Type	N Female
Interface 2	N Female
Interface 3	N Female
Number of Ports	3

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Input VSWR			2:1	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[2.4/5.8 GHz 3 dBi MIMO Ceiling Antenna N Female Connectors HG2458-3SDC-3NF](#)

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Impedance	50	Ohms
Input Power	100	Watts

**Specifications by Band**

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2,400-2,500	5,150-5,850				MHz
Gain	3	4				dBi
Horizontal Beam Width	360	360				Degrees
Vertical Beam Width	56	43				Degrees
VSWR Max	2:1	2:1				
Maximum Input Power	100	100				Watts

**Mechanical Specifications**

Radome Material	ABS
Mounting Application	Fit With Nut
<b>Size</b>	
Length	6.1 in [154.94 mm]
Width	6.1 in [154.94 mm]
Height	2.8 in [71.12 mm]
Weight	0.55 lbs [249.48 g]
Mechanical Specification Notes: Radome material is UV-inhibited ABS.	

**Environmental Specifications**

<b>Temperature</b>	
Operating Range	-40 to +65 deg C

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

**Plotted and Other Data**

Notes:

2.4/5.8 GHz 3 dBi MIMO Ceiling Antenna N Female Connectors 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

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### HG2458-3SDC-3NF



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
A	INITIAL RELEASE	12/28/2010
		APPROVED B. PUCHASKI

  
  
  

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

TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS	± 1/32
.XX = ±.02 [ .51]		
.XXX = ±.005 [ .13]	ANGLES	± 1°

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.

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an INFINITE brand

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

  

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