

2400-2500, 5150-7125 MHz Wi-Fi 6E Flat Panel MIMO Antenna, 6 dBi Gain, 4 N Type Female Connectors



LCANFP1039

Features

- N Type Female Connector
- 4 x Vertical Polarization
- 4x4 MIMO Functionality
- Outdoor Rated Flat Panel Antenna
- 2.4 GHz, 5 GHz, 6 GHz Wi-Fi Bands
- 6 dBi gain

Applications

- Infotainment systems, Routers, Wi-Fi hotspots, HD video transmission, Gateways, Dash cameras, Public transportation
- Connected cars or self-driving cars, Fleet management, Logistics
- Public Safety Networks
- Zigbee, Bluetooth, Wi-Fi

Description

The LCANFP1039 Wi-Fi 6e Antenna from L-com is a high performance directional antenna designed for the 2400 MHz to 7125 MHz bands and is available to ship same day. It is a UV protected, outdoor rated antenna with directional pattern. The LCANFP1039 is ideally suited for 802.11 protocols including 802.11ax as well as Zigbee, Bluetooth and is 4x4 MIMO capable.

The L-com high performance LCANFP1039 is a rugged antenna providing broad coverage, low latency, increased network capacity and 6 dBi gain. This 4 port N Female directional antenna is suitable for commercial radios and access points in public and private networks that are equipped with N Type connectors.

This Wi-Fi 6e LCANFP1039 antenna with 4 N Female connectors, as well as our wide selection of superior quality RF parts, ships same day. Contact our knowledgeable and friendly technical support and sales staff for your answers on antennas or other L-com products.

Configuration

Design	Flat Panel
Application Band	Wi-Fi 6E
Band Type	Dual
Radiation Pattern	Directional
Polarization	Vertical
Cable Type	RG58/U
Cable Length	36 in [914.4 mm]
Connector Type	N Female
Number of Ports	4

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		7,125	MHz
Input VSWR			2:1	
Impedance		50		Ohms
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:
[2400-2500, 5150-7125 MHz Wi-Fi 6E Flat Panel MIMO Antenna, 6 dBi Gain, 4 N Type Female Connectors LCANFP1039](#)

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Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2.4 to 2.5	5.15 to 7.125				GHz
Gain	6	6				dBi
Horizontal HPBW	105	120				Degrees
Vertical HPBW	60	55				Degrees

Mechanical Specifications

Radome Material	UV Resistant ABS
Size	
Length	9 in [228.6 mm]
Width	4.4 in [111.76 mm]
Height	1.2 in [30.48 mm]
Weight	3 lbs [1.36 kg]
Color	White

Environmental Specifications

Temperature	
Operating Range	-40 to +70 deg C
Humidity	5 to 95

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

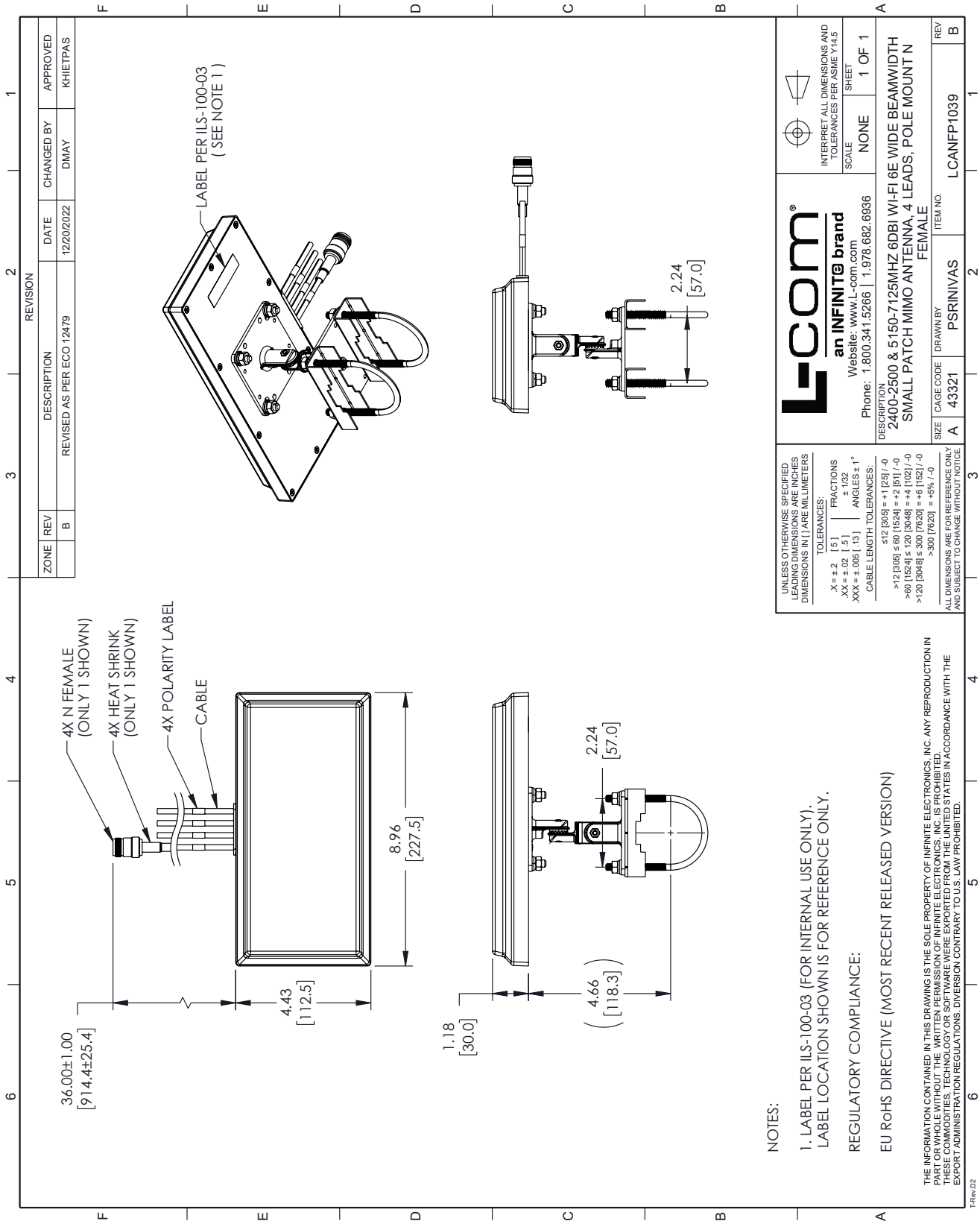
Plotted and Other Data

Notes:

2400-2500, 5150-7125 MHz Wi-Fi 6E Flat Panel MIMO Antenna, 6 dBi Gain, 4 N Type 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 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



ZONE	REV	DESCRIPTION	DATE	CHANGED BY	APPROVED
B		REVISED AS PER ECO 12479	12/20/2022	DMAY	KHIETPAS

REVISION	DESCRIPTION	DATE	CHANGED BY	APPROVED
1				

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Phone: 1.800.341.5266 | 1.978.682.6936

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

TOLERANCES:
 .X = ±.2 [5]
 .XX = ±.02 [.5]
 .XXX = ±.005 [.13]
 FRACTIONS ± 1/32
 ANGLES ± 1°
 CABLE LENGTH TOLERANCES:
 ≤12 [305] = +1 [25] / -0
 >12 [305] ≤ 60 [1524] = +2 [51] / -0
 >60 [1524] ≤ 120 [3048] = +4 [102] / -0
 >120 [3048] ≤ 300 [7620] = +6 [152] / -0
 >300 [7620] = +5% / -0

ALL DIMENSIONS ARE FOR REFERENCE ONLY AND SUBJECT TO CHANGE WITHOUT NOTICE

REGULATORY COMPLIANCE:
EU RoHS DIRECTIVE (MOST RECENT RELEASED VERSION)

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SCALE: NONE

SHEET: 1 OF 1

INTERPRET ALL DIMENSIONS AND TOLERANCES PER ASME Y14.5

DESCRIPTION: 2400-2500 & 5150-7125MHZ 6DBI WI-FI 6E WIDE BEAMWIDTH SMALL PATCH MIMO ANTENNA, 4 LEADS, POLE MOUNT N FEMALE

SIZE	CAGE CODE	DRAWN BY	ITEM NO.
A	43321	PSRINIVAS	LCANFP1039

REV B