

400 MHz to 470 MHz 10 dBi Yagi Antenna Type N Female Connector,  
Adjustable Polarization Pro-series Fully Welded Aluminum



## HG410P-NF

### Features

- Aircraft Quality 6061-T6 Aluminum with 5/16" Elements Welded to a 1" Boom
- Powder-Coated Black for Corrosion, Fade, and Ice-Build Up Resistance
- Can be Installed for Either Vertical or Horizontal Polarization
- Comes with N-Type Female Connectors

### Applications

- 400-470 MHz, Wireless Communications Systems
- LORA Wireless Data Collection Systems
- 450 MHz CDMA
- GMRS
- SCADA
- Family Radio Service 2-Way
- UHF Business Band

### Description

The L-com 400 MHz to 470 MHz HG410P-NF Yagi antenna ships the same day and is designed for the most rugged conditions. This 400 MHz antenna provides 10 dBi of gain and adjustable polarization. The HG410P-NF is ideally suited for 400 MHz and 450 MHz bands. Equipped with an N-Female connector, coaxial connections to a radio are simple and easy. This 10 dBi antenna supports Land Mobile Radio, northern border areas, Public Safety, Industrial and Business applications.

Measuring 38.4 inches long, the HG410P-NF with N-female connectors from L-com is manufactured using robust 5/16" aircraft quality aluminum elements. The HG410P-NF elements are completely welded to a 1" boom and painted black. This ensures performance and survivability in the toughest environments.

400 MHz Yagi antennas from L-com are high-quality components backed by expert technical support and sales personnel. Like the other RF components at L-com, the 10 dBi HG410P-NF is ready to ship the same day.

### Configuration

Design	Yagi
Band Type	Single
Radiation Pattern	Directional
Polarization	Linear
Connector Type	N Female
Number of Ports	1
Housing Material and Plating	Aluminum, Powder Coat

### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	400		470	MHz
Input VSWR		1.7:1		
Impedance		50		Ohms
Gain		10		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:  
[400 MHz to 470 MHz 10 dBi Yagi Antenna Type N Female Connector, Adjustable Polarization Pro-series Fully Welded Aluminum HG410P-NF](#)

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### Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	400-435	435-470				MHz
Gain	10	10.5				dBi
Horizontal HPBW	70	65				Degrees
Vertical HPBW	55	50				Degrees
Electrical Downtilt	2	2				Degrees
Front to Back Ratio	15	17				dB
VSWR Max	1.7:1					

### Mechanical Specifications

Housing Material	Aluminum
Housing Plating/Color	Powder Coat
<b>Size</b>	
Length	38.4 in [975.36 mm]
Width	16.5 in [419.1 mm]
Height	4.3 in [109.22 mm]
Mounting Mast Diameter	0.75 to 3 in [19.05 to 76.20 mm]
Weight	6 lbs [2.72 kg]

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +60 deg C
Storage Range	-40 to +140 deg C
Wind Survivability	200 MPH [321.87 KPH]

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

### Plotted and Other Data

Notes:

400 MHz to 470 MHz 10 dBi Yagi Antenna Type N Female Connector, Adjustable Polarization Pro-series Fully Welded Aluminum 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

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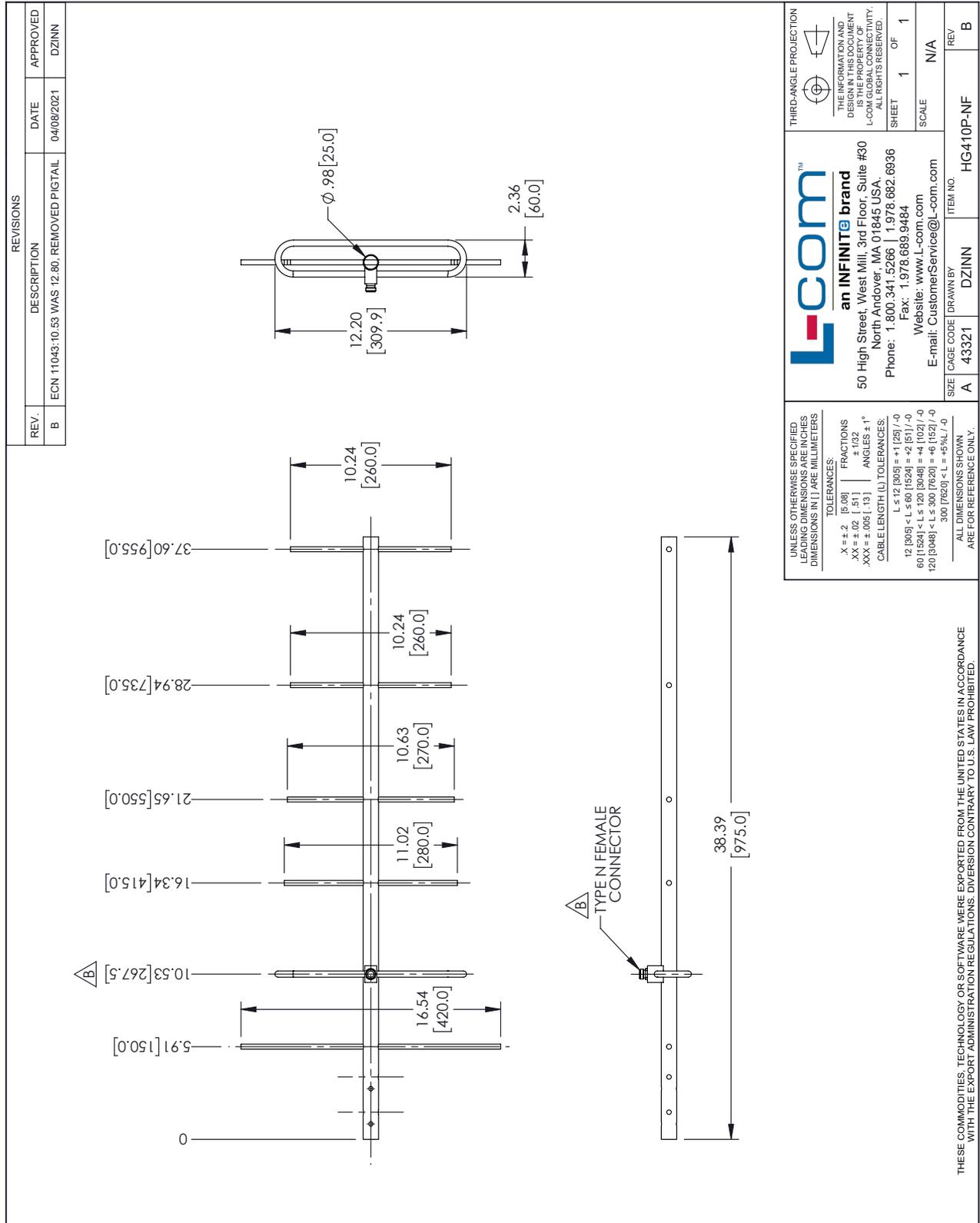
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includes antennas, amplifiers, passive, and active components.

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.

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L-com CAD Drawing



T-Rev.D