

880 MHz to 960 MHz 9 dBi Yagi Antenna, 36in LMR400 coax with Type N Female Connector, Adjustable Polarization Fully Welded Aluminum



HG909P-NF

Features

- Aircraft Quality 6061-T6 Aluminum with 5/16" Elements with 360° Fully 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 36" LMR400 Pigtailed with N-Type Female Connectors

Applications

- 900 MHz Cellular and GSM
- 900 MHz ISM Band & Wireless LAN Systems
- Point to Multipoint & Non Line of Sight
- NLOS Applications
- RFID & SCADA
- LPWAN, LoRA, IoT, M2M

Description

The L-com 880 MHz to 960 MHz HG909P-NF Yagi Antenna ships the same day and is designed for the most rugged conditions. This 900 MHz antenna provides 9 dBi of gain and adjustable polarization. Equipped with an N-Female connector, coaxial connections to a radio are simple and easy. The HG909P-NF is ideally suited for 900 MHz ISM bands. This 9 dBi antenna supports Land Mobile Radio for land transportation, utility, manufacturing, and petrochemical companies (oil and gas).

Measuring 24.3 inches long, the N-female HG909P-NF from L-com is manufactured using robust 5/16" aircraft quality aluminum elements. The HG909P-NF elements are completely welded to a 1" boom and painted black. This ensures performance and survivability in the toughest environments.

880 MHz to 960 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 9 dBi HG909P-NF is in stock and ready to ship the same day.

Configuration

Design	Yagi
Band Type	Single
Radiation Pattern	Directional
Polarization	Linear
Cable Type	LMR400
Cable Length	36 in [914.4 mm]
Connector Type	N Female
Number of Ports	1
Housing Material and Plating	Aluminum, Powder Coat

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	880		960	MHz
Input VSWR		1.3:1	1.5:1	
Impedance		50		Ohms
Gain		9		dBi

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [880 MHz to 960 MHz 9 dBi Yagi Antenna, 36in LMR400 coax with Type N Female Connector, Adjustable Polarization Fully Welded Aluminum HG909P-NF](#)

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Input Power 150 Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	880-928	928-960				MHz
Gain	9	9.5				dBi
Horizontal HPBW	60	60				Degrees
Vertical HPBW	50	45				Degrees
Front to Back Ratio	15	15				dB
VSWR Max	1.5:1	1.5:1				

Mechanical Specifications

Housing Material	Aluminum
Housing Plating/Color	Powder Coat
Size	
Length	24.3 in [617.22 mm]
Width	7.1 in [180.34 mm]
Height	2.4 in [60.96 mm]
Mounting Mast Diameter	0.75 to 2 in [19.05 to 50.80 mm]
Weight	3 lbs [1.36 kg]

Environmental Specifications

Temperature	
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:

880 MHz to 960 MHz 9 dBi Yagi Antenna, 36in LMR400 coax with Type N Female Connector, Adjustable Polarization 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

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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.

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L-com CAD Drawing

