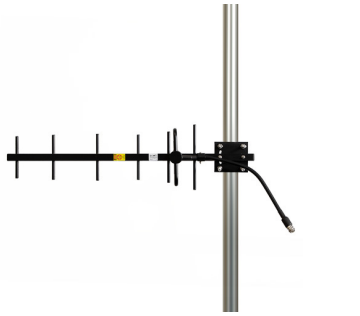
824 MHz to 960 MHz 9 dBi Aluminum Yagi Antenna, Black, N Type Female Connector



HG909YE-NF-BLK

Features

- 9 dBi gain & all weather Anodized Aluminum construction
- Can be installed for either vertical or horizontal polarization
- Heavy-duty 1/2" Aluminum boom
- 15 inch coax lead & 1/8" thick plated steel mounting plate
- Solid Aluminum 1/8" elements
- Black powder coating to prevent weather deterioration

Applications

- 900MHz ISM Band & Wireless LAN systems
- Point to multipoint & Non Line of Sight (NLOS) applications
- RFID & SCADA
- 900MHz Cellular and GSM
- LPWAN, LoRA, IoT, M2M applications

Description

The L-com HG909YE-NF-BLK High-Performance Yagi Antenna in an economical package combines accurate gain with a wide beam-width, ideally suited for directional applications in the 900MHz ISM and GSM bands. This series of Yagi antennas provides the user with an anodized aluminum boom, solid elements, low loss series 400 COAX, and rugged mounting hardware.

This yagi antenna features 9 dBi of gain from 824 MHz to 960 MHz and an N Type Female connector. The L-com HG909YE-NF-BLK is powder coated with black paint to prevent icing or corrosion in harsh environmental conditions.

This 9 dBi 824 MHz to 960 MHz yagi antenna with a Female N Type connector, 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	Portable
Band Type	Single
Polarization	Vertical/Horizontal
Connector Type	N Female
Lightning Protection	DC Ground

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	824		960	MHz
Input VSWR			1.6:1	
Impedance		50		Ohms
Gain		9		dBi
Horizontal (Azimuth) HPBW		70		Degrees
Vertical (Elevation) HPBW		55		Degrees
Input Power			50	Watts

Mechanical Specifications

Size

Environmental Specifications

Temperature

Operating Range	-30 to +60 deg C

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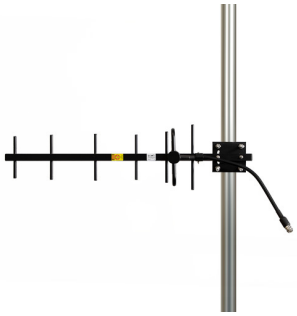

HG909YE-NF-BLK

Wind Survivability	210 MPH [337.96 KPH]
Humidity	5-95%
Ingress Protection	IP65

Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

Typical Radiation Pattern

Appendix

Electrical Downtilt: Angle in the antenna's elevation pattern in which the maximum gain occurs.

Gain: Antenna's average gain.

Front to Back Ratio @ 180°±30°: Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over ±30° angles.

Cross-polarization Ratio (dB): Typical difference between the co-polarization and cross-polarization gain across the sector's 3 dB Beam Width.

Dedicated to serving the needs of the Wireless Internet Service Provider (WISP) market, KP Performance Antennas offers purpose built products that reliably perform in the field. KP Performance Antennas product line consists of Yagi, Grid, Omni, Dish and other style antennas that operate in the 900 MHz, 2.4 GHz, 3 GHz, and 5 GHz frequencies.

824 MHz to 960 MHz 9 dBi Aluminum Yagi Antenna, Black, N Type 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.

URL: https://www.l-com.com/824-mhz-960-mhz-9-dbi-aluminum-yagi-antenna-black-n-type-female-connector-hg909ye-nf-blk.html