

1920 MHz to 2170 MHz Lightweight Die-cast Grid
Antenna 22 dBi Type N Female Connector



HG1922EG-1-NF

Features

- All weather operation
- Easy to assemble
- UV stable powder coat finish
- Die-cast aluminum construction

Applications

- 1920 to 2170 MHz GSM Band
- Point to Point (PtP) Systems & Point to Multi-point (PtMP) Systems
- Cellular Systems & Long-range Directional Applications
- Wireless Bridges, Backhaul Applications & Wireless Video Systems

Description

The L-com HG1922EG-1-NF is a high-performance light weight reflector grid antenna specifically designed for long-range directional point to point systems, point to multipoint and wireless bridges. L-com's HG1922EG-1-NF has 20 to 22 dBi gain. The open grid design provides minimal wind loading and is UV resistant powder coated for durability. The HG1922EG-1-NF operates from 1920 to 2170 MHz which is ideal for cellular backhaul.

The HG1922EG-1-NF from L-com has 13° Vertical and 8° Horizontal Beamwidth patterns with vertical or horizontal polarization and features Type N female connectors. The 1920-2170 MHz HG1922EG-1-NF is shipped as a 2-piece reflector grid which is simple to assemble and greatly reduces shipping costs.

The Type N female connectorized HG1922EG-1-NF antenna from L-com has mounting bracket and hardware included which makes this antenna very easy to install. This high-performance light weight reflector grid antenna just like 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	Grid
Polarization	Vertical
Connector Type	N Female

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	1.92		2.17	GHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		22		dBi
Front to Back Ratio	30			dB
Horizontal (Azimuth) HPBW		8		Degrees
Vertical (Elevation) HPBW		13		Degrees
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:
[1920 MHz to 2170 MHz Lightweight Die-cast Grid Antenna 22 dBi Type N Female Connector HG1922EG-1-NF](#)

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Mechanical Specifications

Size

Length	23.622 in [600 mm]
Width	38.976 in [989.99 mm]
Height	50 in [127 cm]
Mounting Mast Diameter	1.57 to 1.96 in [39.88 to 49.78 mm]
Weight	5.51156 lbs [2.5 kg]

Environmental Specifications

Temperature

Operating Range	-40 to +70 deg C
Wind Survivability	124 MPH [199.56 KPH]
Humidity	5 to 95 %

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

Plotted and Other Data

Notes:

1920 MHz to 2170 MHz Lightweight Die-cast Grid Antenna 22 dBi Type N 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.

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

