

## 2.4 GHz to 2.5 GHz 20 dBi Lightweight Die-cast Grid Antenna Type N Female Connector

### HG2420EG-1-NF



#### Features

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

#### Applications

- 2.4 GHz ISM Band
- IEEE 802.11b/g/n Wireless LAN Applications
- Point to Point (PtP) Systems & Point to Multi-point (PtMP) Systems
- Wi-Fi Systems & Long-range Directional Applications
- Wireless Bridges, Backhaul Applications & Wireless Video Systems

#### Description

The L-com HG2420EG-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 HG2420EG-1-NF has 18 to 20 dBi gain. The HG2420EG-1-NF operates from 2400 to 2500 MHz which is ideal for WLAN backhaul.

The HG2420EG-1-NF from L-com has 16° Vertical and 12° Horizontal Beamwidth patterns with vertical or horizontal polarization and features Type N female connectors. The 2400-2500 MHz HG2420EG-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 HG2420EG-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           | 2.4     |         | 2.5     | GHz     |
| Input VSWR                |         |         | 1.5:1   |         |
| Impedance                 |         | 50      |         | Ohms    |
| Gain                      |         | 20      |         | dBi     |
| Front to Back Ratio       | 25      |         |         | dB      |
| Horizontal (Azimuth) HPBW |         | 12      |         | Degrees |
| Vertical (Elevation) HPBW |         | 16      |         | 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:  
[2.4 GHz to 2.5 GHz 20 dBi Lightweight Die-cast Grid Antenna Type N Female Connector HG2420EG-1-NF](#)

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Grid Antenna Type N Female Connector



## HG2420EG-1-NF

### Mechanical Specifications

#### Size

|                        |                                     |
|------------------------|-------------------------------------|
| Length                 | 16.535 in [419.99 mm]               |
| Width                  | 24.803 in [630 mm]                  |
| Height                 | 31 in [787.4 mm]                    |
| Mounting Mast Diameter | 1.57 to 1.96 in [39.88 to 49.78 mm] |
| Weight                 | 5.29109 lbs [2.4 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:

2.4 GHz to 2.5 GHz 20 dBi Lightweight Die-cast Grid Antenna 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 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

