

HyperLink Wireless 900 MHz 15 dBi Die Cast Parabolic Grid Antenna Model: HG8915EG

Applications

- 824-960 MHz ISM and Cellular Bands
- Wireless LAN and Video Applications
- Non Line of Sight (NLOS) and Long-Rang Directional Applications
- Point to Point and Multi-Point Systems
- Wireless Bridges and Backhaul Applications

Features

- Die cast aluminum construction with UV stable finish
- All weather operation
- 18° beam-width
- Integral N-Female Connector
- Include Tilt and Swivel Mast Bracket



Description

Superior Performance

The HyperLink High Performance Parabolic Grid Antenna provides 15 dBi gain with an 18° beam-width for directional applications, backhaul applications, point to point systems and Non Line of Sight (NLOS) installations. It is ideally suited for 900MHz ISM and GSM bands. Typical applications include 900MHz Wireless LAN, SCADA, Wireless Video Links and 900MHz Cellular. External interference of this antenna is minimized due to the excellent front to back ratio. This antenna comes with an integral N-Female connector.

Rugged and Weatherproof

The HG8915EG construction features a die cast aluminum reflector grid for superior strength and light weight. This antenna's 2-piece reflector grid is simple to assemble and significantly reduces shipping costs. The grid surface is UV powder coated for durability and aesthetics. The open-frame grid design minimizes wind loading.

This antenna is supplied with a tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment. It can be adjusted up or down from 0° to 20°. It can mount to a 1.25" (31.8mm) to 2" (50.8mm) dia. mast.



Specifications

Electrical Specifications

| | |
|------------------------------|------------------------|
| Frequency | 824-960 MHz |
| Gain | 15 dBi |
| Horizontal Beam Width | 18° |
| Vertical Beam Width | 30° |
| VSWR (Typical) | 1.5 or less |
| Input Impedance | 50 Ohm |
| Maximum Power | 100 watts |
| Polarization | Vertical or horizontal |
| Lightning Protection | Direct Ground |

Mechanical Specifications

| | |
|------------------------------|---|
| Connector | Integral N-Female |
| Weight | 5.05 lbs. (2.29 kg) |
| Dimensions | 23.6 x 39.1 in. (600 x 992 mm) |
| Grid Material | Die Cast Aluminum |
| Operating Temperature | -40° C to 85° C (-40° F to 185° F) |
| RoHS Compliant | Yes |
| Mounting | 1.25 - 2 in. (31.8 - 50.8 mm) dia. mast |

Wind Loading Data

| Wind Speed (MPH) | Loading (2.1 sq. ft.) |
|-------------------------|------------------------------|
| 100 | 80.5 |
| 140 | 125.5 |

RF Antenna Gain Patterns

