



#### 4940 TO 5850 MHz WIDEBAND GRID DISH PARABOLIC ANTENNA

The 5 GHz wide band parabolic grid directional antennas offered by Laird utilize a unique patented parabolic grid design with compact patented high performance feed. The antennas are constructed of welded steel wires which are galvanized and then powder coat painted with a light gray epoxy paint. The wire grid semi-parabolic design offers unsurpassed low wind loading while maintaining good RF performance. The compact low visual impact attractive styling blends well in almost any application. Mounting is simplified with the Laird bracket system made of galvanized steel with stainless steel hardware. The 28 dBi model comes with a super heavy duty bracket system to give even greater stability in high winds. The feed has a 30 inch pigtail and N female connector standard. Other connectors are available upon special request.

#### FEATURES

- Ultra wideband operation 4940-5850 MHz
- 21 dBi , 25 dBi and 28 dBi models available
- Rugged and weatherproof
- Ultra low wind loading and low visual impact
- Vertical or horizontal polarization
- 30 inch pigtail with type N female connector
- 28 dBi model includes super heavy duty bracket for greater stability

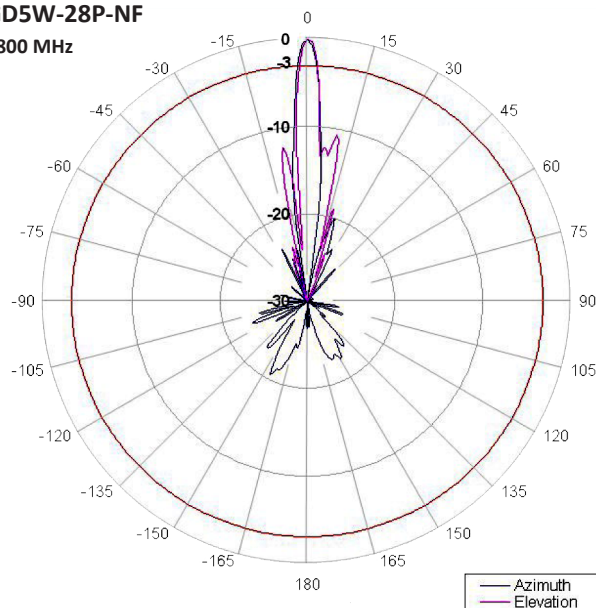
#### MARKETS

- 5 GHz wireless LAN applications
- 4.9 GHz public safety applications
- Point-to-point backhaul
- 802.11a clients
- WiMAX

#### ANTENNA PATTERN

##### GD5W-28P-NF

5800 MHz



Americas: +1.847 839.6927  
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941  
IAS-EUSales@lairdtech.com

Asia: +86.21.5855.0827.127  
IAS-AsiaSales@lairdtech.com

[www.lairdtech.com](http://www.lairdtech.com)

# Grid Dish Parabolic Antenna

## GD5W

### SPECIFICATIONS

| PARAMETER             | GD5W-21                       | GD5W-25                     | GD5W-28                     |
|-----------------------|-------------------------------|-----------------------------|-----------------------------|
| Frequency range       | 4940-5850 MHz                 | 4940-5850 MHz               | 4940-5850 MHz               |
| Gain                  | 21 dBi                        | 25 dBi                      | 28 dBi                      |
| Horizontal beamwidth  | 10°                           | 6°                          | 4°                          |
| Vertical beamwidth    | 11°                           | 6°                          | 5°                          |
| Front to back         | 18 dB                         | 20 dB                       | 25 dB                       |
| VSWR                  | 1.5:1                         | 1.5:1                       | 1.5:1                       |
| Impedance             | 50 ohm                        | 50 ohm                      | 50 ohm                      |
| Input power           | 100 watts                     | 100 watts                   | 100 watts                   |
| Operating temperature | -40° to +70°C                 | -40° to +70°C               | -40° to +70°C               |
| Pole size             | 1 to 2 in (25 to 50 mm)       | 1 to 2 in (25 to 50 mm)     | 1 to 2 in (25 to 50 mm)     |
| Weight                | 3 lbs (1.4 kg)                | 6 lbs (2.7 kg)              | 11 lbs (5 kg)               |
| Dimension (W x L)     | 11.8 x 15.7 in (300 x 400 mm) | 16.8 x 24 in (427 x 610 mm) | 28.5 x 36 in (724 x 914 mm) |
| Bracket tilt          | +/- 45°                       | +/- 45°                     | +/- 45°                     |

### WIND LOADING (LBS.)

| MODEL   | 100 MPH | 125 MPH  | 100 MPH WITH ½ IN RADIAL ICE |
|---------|---------|----------|------------------------------|
| GD5W-21 | 10 lbs  | 15.6 lbs | 48 lbs                       |
| GD5W-25 | 20 lbs  | 31 lbs   | 99 lbs                       |
| GD5W-28 | 41 lbs  | 64 lbs   | 257 lbs                      |

### SYSTEM ORDERING

|             |                                                           |
|-------------|-----------------------------------------------------------|
| GD5W-21P-NF | 4940 to 5850 MHz 21 dBi wide band grid antenna            |
| GD5W-25P-NF | 4940 to 5850 MHz 25 dBi wide band grid                    |
| GD5W-28P-NF | antenna 4940 to 5850 MHz 28 dBi wide band<br>grid antenna |

### NOTES

- All shipments F.O.B. Schaumburg, IL 60173

ANT-DS-GD5W 1115

Any information furnished by Laird Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trademarks or registered trademarks of Laird Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights.