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# Grid Dish Parabolic Antenna

## GD35



### GD35: 3400 TO 3600 MHz OPERATION

The 3.5 GHz parabolic grid directional antennas offered by Laird utilize a patented parabolic grid design with a patented high performance dipole 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 antenna comes with 30 inch pigtail with choice of N male or N female connector.

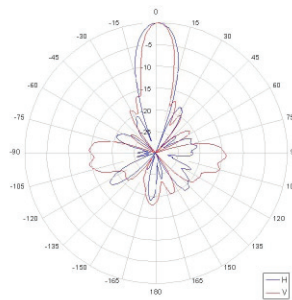
### FEATURES

- 17 dBi, 20 dBi and 25 dBi models available
- Rugged and weatherproof
- Ultra low wind loading and low visual impact
- Vertical or horizontal polarization

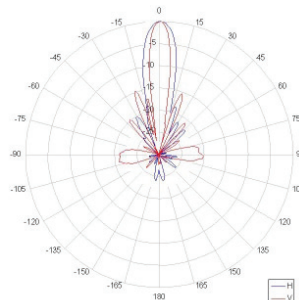
### MARKETS

- 3.5 GHz wireless applications
- Point-to-point backhaul
- Cellular backhauls
- Client antennas
- WiMAX

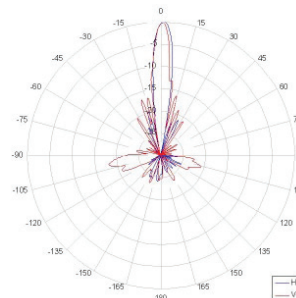
### ANTENNA PATTERNS



GD35-17



GD30-20



GD35-25

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### SPECIFICATIONS

| PARAMETER             | MODEL                         | MIN            | TYP   | MAX    | UNITS    |
|-----------------------|-------------------------------|----------------|---|--------|----------|
| Frequency Range       |                               | 3400           |   | 3600   | MHz      |
| Gain                  | GD35-17<br>GD35-20<br>GD35-25 |                | 17<br>20<br>25  |        | dBi      |
| 3dB Beamwidth         | GD35-17<br>GD35-20<br>GD35-25 |                | 13V, 16H<br>8V, 12H<br>6V, 7H   |        | Deg      |
| Front to Back         | GD35-17<br>GD35-20<br>GD35-25 | 14<br>20<br>20 |   |        | dB       |
| VSWR                  |                               |                | 1.5:1   |        |          |
| Impedance             |                               |                | 50  |        | ohm      |
| Input Power           |                               |                |   | 100    | W        |
| Operating Temperature |                               | -40            |   | +70    | °C       |
| Pole Size             |                               | 1 (25)         |   | 2 (50) | in (mm)  |
| Weight                | GD35-17<br>GD35-20<br>GD35-25 |                | 4 (1.8)<br>6 (2.7)<br>11 (5)  |        | lbs (kg) |
| Dimension (W x L)     | GD35-17<br>GD35-20<br>GD35-25 |                | 12 x 16 (305 x 406)<br>16.5 x 24 (419 x 610)<br>28.5 x 36 (724 x 914) |        | in (mm)  |
| Bracket Tilt          |                               | 45             |   |        | Deg      |

### WIND LOADING (LBS.)

| MODEL   | SQ. IN | 100 MPH | 125 MPH | 100 MPH WITH ½<br>IN RADIAL ICE |
|---------|--------|---------|---------|---------------------------------|
| GD35-17 | 40     | 10      | 15.6    | 48                              |
| GD35-20 | 79     | 20      | 31      | 99                              |
| GD35-25 | 163    | 41      | 64      | 257                             |

### SYSTEM ORDERING INFORMATION

|             |  |
|-------------|--|
| GD35-17P-NF | 3400-3600 MHz 17 dBi grid dish with N female connector |
| GD35-17P-NM | 3400-3600 MHz 17 dBi grid dish with N male connector   |
| GD35-20P-NF | 3400-3600 MHz 20 dBi grid dish with N female connector |
| GD35-20P-NM | 3400-3600 MHz 20 dBi grid dish with N male connector   |
| GD35-25P-NF | 3400-3600 MHz 25 dBi grid dish with N female connector |
| GD35-25P-NM | 3400-3600 MHz 25 dBi grid dish with N male connector   |

### NOTES

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

# Mouser Electronics

Authorized Distributor

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## Laird Connectivity:

[GD35-17P-NF](#) [GD35-17P-NM](#) [GD35-20P-NF](#) [GD35-20P-NM](#) [GD35-25P-NF](#) [GD35-25P-NM](#) [GD58-22](#) [GD58-26](#)  
[GD58-26-FEED](#) [GD58-29-FEED](#)