



GD25: 2500 TO 2700 MHz OPERATION

The 2.5 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 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 a 30 inch LMR240 pigtail cable with choice of N male or N female connector.

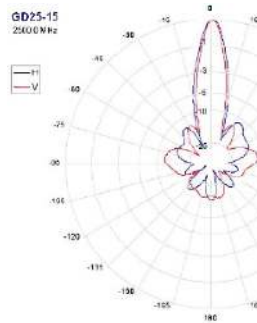
FEATURES

- Designed for WiMAX and MMDS systems
- 15 dBi, 19 dBi and 24 dBi models available
- Rugged and weatherproof
- Ultra low wind loading and low visual impact
- Vertical or horizontal polarization
- Various connector choices

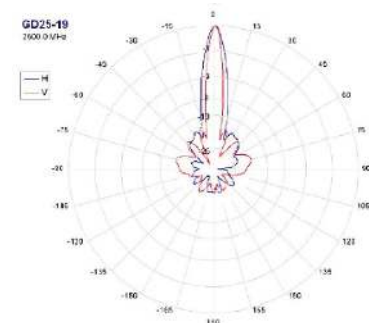
MARKETS

- WiMAX applications
- Client antennas
- MMDS applications
- Point-to-point backhaul

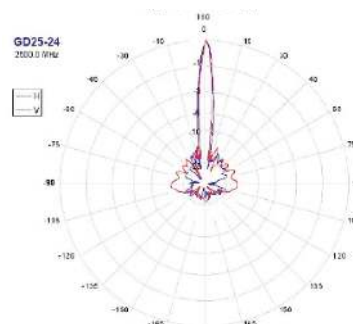
ANTENNA PATTERNS



GD25-15



GD25-19



GD25-24

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www.lairdtech.com



Smart Technology. Delivered.

Grid Dish Parabolic Antenna GD25

SPECIFICATIONS

| PARAMETER | MODEL | MIN | TYP | MAX | UNITS |
|-----------------------|---------|--------|-----------------------|--------|----------|
| Frequency Range | | 2500 | | 2700 | MHz |
| Gain | GD25-15 | | 15 | | dBi |
| | GD25-19 | | 19 | | |
| | GD25-24 | | 24 | | |
| 3dB Beamwidth | GD25-15 | | 17V, 21H | | Deg |
| | GD25-19 | | 11V, 17H | | |
| | GD25-24 | | 8V, 10H | | |
| Front-to-Back | GD25-15 | 17 | | | dB |
| | GD25-19 | 22 | | | |
| | GD25-24 | 25 | | | |
| VSWR | | | 1.5:1 | | |
| Impedance | | | 50 | | ohm |
| Input Power | | | | 100 | W |
| Operating Temperature | | -40 | | +70 | Deg C |
| Pole Size | | 1 (25) | | 2 (50) | in (mm) |
| Weight | GD25-15 | | 4 (1.8) | | lbs (kg) |
| | GD25-19 | | 6 (2.7) | | |
| | GD25-24 | | 11 (5) | | |
| Dimension (W x L) | GD25-15 | | 12 x 16 (305 x 406) | | in (mm) |
| | GD25-19 | | 16.5 x 24 (419 x 610) | | |
| | GD25-24 | | 28.5 x 36 (724 x 914) | | |
| Bracket Tilt | | | 45 | | Deg |

WIND LOADING (LBS.)

| MODEL | SQ. IN | 100 MPH | 125 MPH | 100 MPH WITH ½ in RADIAL ICE |
|---------|--------|---------|---------|------------------------------|
| GD25-15 | 40 | 10 | 15.6 | 48 |
| GD25-19 | 79 | 20 | 31 | 99 |
| GD25-24 | 163 | 41 | 64 | 257 |

SYSTEM ORDERING INFORMATION

GD25 - _ _ _ p - _ _ _ _ _
 15 NM (N male)
 19 NF (N female)
 24

NOTES

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

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ANT-DS-GD25 0115

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