



5150 TO 5850 MHz GRID DISH PARABOLIC ANTENNA

The 5 GHz parabolic grid directional antennas offered by Laird utilize a unique patented parabolic grid design with compact 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 antenna comes with a bulkhead N female connector standard.

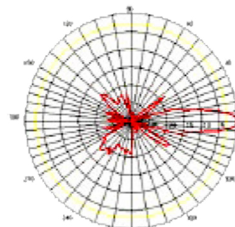
FEATURES

- 22 dBi , 26 dBi, and 29 dBi models available
- Rugged and weatherproof
- Ultra low wind loading and low visual impact
- Vertical or horizontal polarization
- Type N female connector
- Super HD bracket models available for greater stability

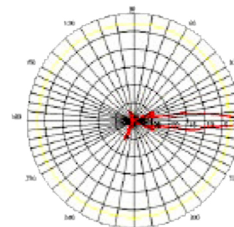
MARKETS

- 5 GHz wireless LAN applications
- Point-to-point backhaul
- WiMAX

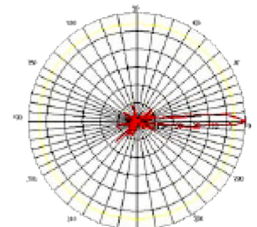
ANTENNA PATTERNS



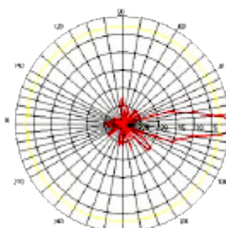
GD58-22 HPOL



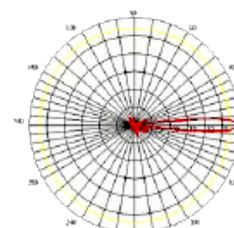
GD58-26 HPOL



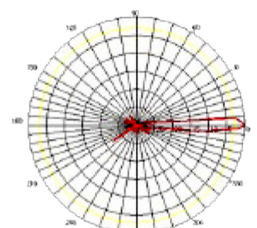
GD58-29 HPOL



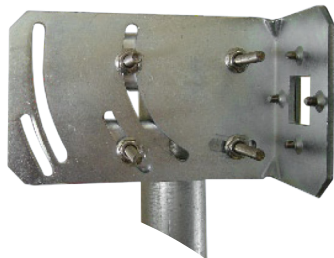
GD58-22 VPOL



GD58-26 VPOL



GD58-29 VPOL



SPECIFICATIONS

| PARAMETER | GD5x-21 | GD58-22 | GD5x-25 | GD58-26 | GD5x-28 | GD58-29 |
|-----------------------|--|---------------|--|---------------|--|---------------|
| Frequency range | GD57-21 5470-5725 MHz GD53-21 5150-5350 MHz | 5725-5850 MHz | GD57-25 5470-5725 MHz GD53-25 5150-5350 MHz | 5725-5850 MHz | GD57-28 5470-5725 MHz GD53-28 5150-5350 MHz | 5725-5850 MHz |
| Gain | 21 dBi | 22 dBi | 25 dBi | 26 dBi | 28 dBi | 29 dBi |
| Horizontal beamwidth | 10° | | 6° | | 4° | |
| Vertical beamwidth | 11° | | 6° | | 6° | |
| Front to back | 25 dB | | 30 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) | | 16.8 x 24 in (427 x 610) | | 28.5 x 36 in (724 x 914) | |
| Bracket tilt | mm)/- 45° | | mm)/- 45° | | mm)/- 45° | |

WIND LOADING (LBS.)

| MODEL | 100 MPH | 125 MPH | 100 MPH WITH ½ IN RADIAL ICE |
|---------|---------|----------|------------------------------|
| GD58-22 | 10 lbs | 15.6 lbs | 48 lbs |
| GD58-26 | 20 lbs | 31 lbs | 99 lbs |
| GD58-29 | 41 lbs | 64 lbs | 257 lbs |

SYSTEM ORDERING

| | | | |
|---------|--|---------|--|
| GD58-22 | 5.7-5.8 GHz 22 dBi directional antenna | GD57-28 | 5.4-5.7 GHz 28 dBi directional antenna * |
| GD58-26 | 5.7-5.8 GHz 26 dBi directional antenna * | GD53-21 | 5.1-5.3 GHz 21 dBi directional antenna |
| GD58-29 | 5.7-5.8 GHz 29 dBi directional antenna * | GD53-25 | 5.1-5.3 GHz 25 dBi directional antenna * |
| GD57-21 | 5.4-5.7 GHz 21 dBi directional antenna | GD53-28 | 5.1-5.3 GHz 28 dBi directional antenna * |
| GD57-25 | 5.4-5.7 GHz 25 dBi directional antenna * | | |

NOTES

- All shipments F.O.B. Schaumburg, IL 60173
- * Super HD bracket system now available for large and medium grid. Add "HD" as prefix to part number
Example: HDGD58-29

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ANT-DS-GD5x 0115

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