



4940 TO 5850 MHz WIDEBAND GRID DISH PARABOLIC ANTENNA

The 5 GHz wide band parabolic grid directional antennas offered by Laird Technologies 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 Technologies 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

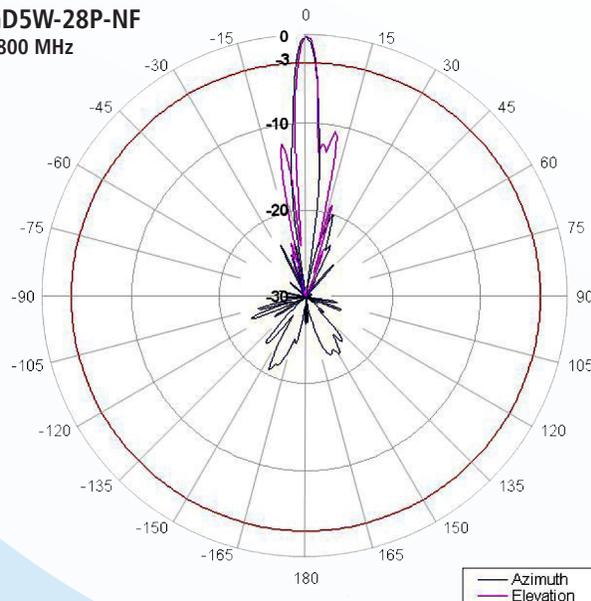
- Ultra wideband operation 4940-5850 MHz
- 21 dBi , 25 dBi and 28 dBi models available
- Rugged and weatherproof
- Ultra low wind loading and low visual impact
- Vertical or horizontal polarization
- 30 inch pigtail with type N female connector
- 28 dBi model includes super heavy duty bracket for greater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



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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 antenna
GD5W-28P-NF	4940 to 5850 MHz 28 dBi wide band grid antenna

NOTES

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

ANT-DS-GD5W 0611

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