

Grid Dish Parabolic Antenna

GD5x



5150 TO 5850 MHZ GRID DISH PARABOLIC ANTENNA

The 5GHz parabolic grid directional antennas offered by Laird Technologies 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 Technologies bracket system made of galvanized steel with stainless steel hardware. The antenna comes with a bulkhead N female connector standard.

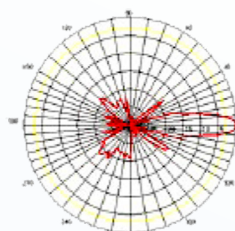
FEATURES

- 22dBi, 26dBi, and 29dBi 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

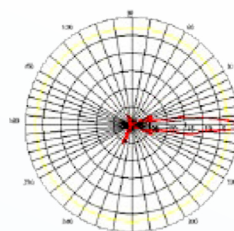
MARKETS

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

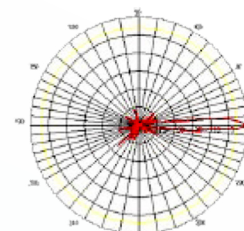
ANTENNA PATTERNS



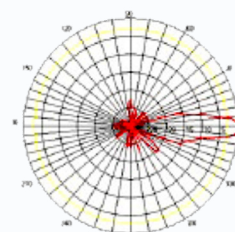
GD58-22 HPOL



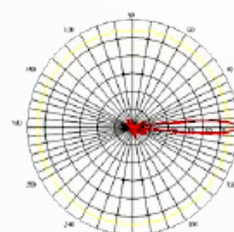
GD58-26 HPOL



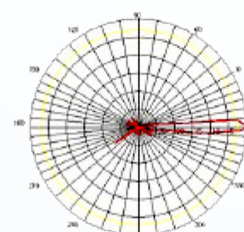
GD58-29 HPOL



GD58-22 VPOL



GD58-26 VPOL



GD58-29 VPOL

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Grid Dish Parabolic Antenna

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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" (25 to 50 mm))		1" to 2" (25 to 50 mm))		1" to 2" (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" (300 x 400mm)		16.8" x 24" (427 x 610mm)		28.5" x 36" (724 x 914mm)	
Bracket tilt	+/- 45°		+/- 45°		+/- 45°	

WIND LOADING (LBS.)

MODEL	100 MPH	125 MPH	100 MPH WITH ½" 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

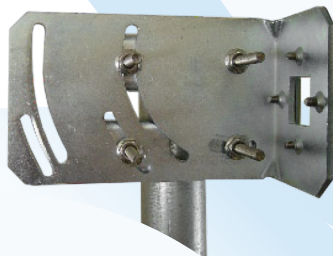
SYSTEM ORDERING

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



ANT-DS-GD5x 0909

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