



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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#### 2400 TO 2485 MHz GRID DISH PARABOLIC ANTENNA

The 2.4 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. A super heavy duty “HD” bracket system is available for the 24 dB grid. The antennas come with a 30 inch pigtail with choice of N male, N female or RPSMA connector.

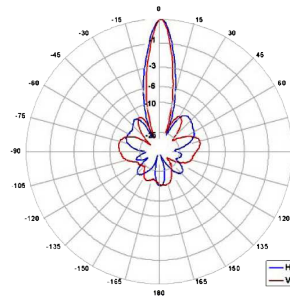
#### FEATURES

- 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
- Super HD bracket 2 dBi model available for greater stability

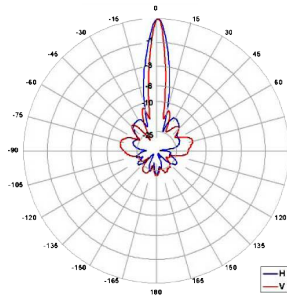
#### MARKETS

- 2.4 GHz wireless LAN applications
- Client antennas
- 802.11b/g applications
- Point-to-point backhaul
- WiMAX

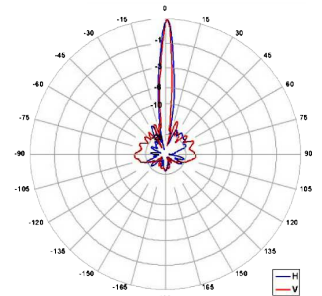
#### ANTENNA PATTERN



**GD24-15**  
2450.0 MHz



**GD24-19**  
2450.0 MHz



**GD24-24**  
2450.0 MHz

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## SPECIFICATIONS

PARAMETER	GD24-15	GD24-19	GD24-24
Frequency range	2400-2485 MHz	2400-2485 MHz	2400-2485 MHz
Gain	15 dBi	19 dBi	24 dBi
3dB beamwidth	17° vert., 21° hor.	11° vert., 17° hor.	8° vert., 10° hor.
Front to back	17 dB	22 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	4 lbs (1.8 kg)	6 lbs (2.7 kg)	11 lbs (5 kg)
Dimension (W x L)	12 x 16 in (305 x 406 mm)	16.5 x 24 in (419 x 610 mm)	28.5 x 36 in (724 x 914 mm)
Bracket tilt	45°	45°	45°

## WIND LOADING (LBS.)

MODEL	SQ. IN	100 MPH	125 MPH	100 MPH WITH ½ IN RADIAL ICE
GD24-15	40	10 lbs	15.6 lbs	48 lbs
GD24-19	79	20 lbs	31 lbs	99 lbs
GD24-24	163	41 lbs	64 lbs	257 lbs

## SYSTEM ORDERING

GD24-	p-	
15	NM	(N male)
19	NF	(N female)
24	RSMA	(RPSMA)

## NOTES

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

\* Super HD Bracket System Now Available for 24 dBi Grid.  
Add "HD" as prefix to part number. Example:  
HDGD24-24P-NF



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ANT-DS-GD24 0115

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