



### 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.

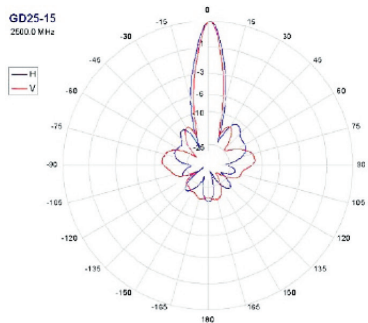
### FEATURES

- 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

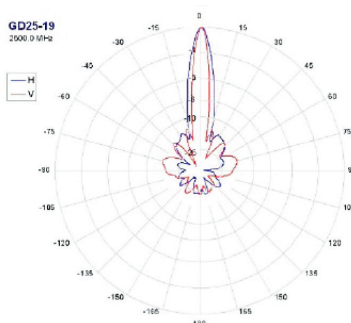
### MARKETS

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

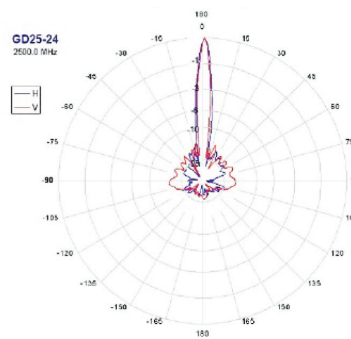
### ANTENNA PATTERNS



GD25-15



GD25-19



GD25-24

### SPECIFICATIONS

PARAMETER	MODEL	MIN	TYP	MAX	UNITS
Frequency Range		2500		2700	MHz
Gain	GD25-15 GD25-19 GD25-24		15 19 24		dBi
3dB Beamwidth	GD25-15 GD25-19 GD25-24		17V, 21H 11V, 17H 8V, 10H		Deg
Front-to-Back	GD25-15 GD25-19 GD25-24	17 22 25			dB
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 GD25-19 GD25-24		4 (1.8) 6 (2.7) 11 (5)		lbs (kg)
Dimension (W x L)	GD25-15 GD25-19 GD25-24		12 x 16 (305 x 406) 16.5 x 24 (419 x 610) 28.5 x 36 (724 x 914)		in (mm)
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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## Laird Connectivity:

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[GD29-MT](#) [GD29-TR](#)