

GD35: 3400 TO 3600 MHz OPERATION

The 3.5 GHz parabolic grid directional antennas offered by Laird Technologies 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 Technologies bracket system made of galvanized steel with stainless steel hardware. The antenna comes with 30 inch pigtail with choice of N male or N female connector.

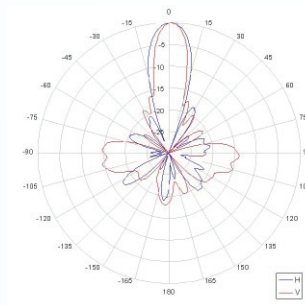
FEATURES

- 17 dBi, 20 dBi and 25 dBi models available
- Rugged and weatherproof
- Ultra low wind loading and low visual impact
- Vertical or horizontal polarization

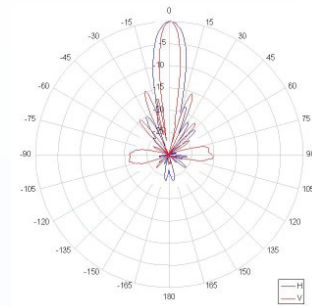
MARKETS

- 3.5 GHz wireless applications
- Point-to-point backhaul
- Cellular backhauls
- Client antennas
- WiMAX

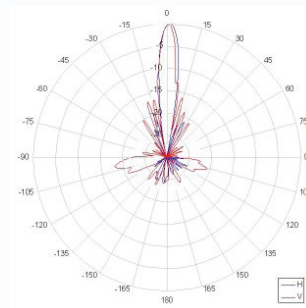
ANTENNA PATTERNS



GD35-17



GD30-20



GD35-25

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SPECIFICATIONS

PARAMETER	MODEL	MIN	TYP	MAX	UNITS
Frequency Range		3400		3600	MHz
Gain	GD35-17 GD35-20 GD35-25		17 20 25		dBi
3dB Beamwidth	GD35-17 GD35-20 GD35-25		13V, 16H 8V, 12H 6V, 7H		Deg
Front to Back	GD35-17 GD35-20 GD35-25	14 20 20			dB
VSWR			1.5:1		
Impedance			50		ohm
Input Power				100	W
Operating Temperature		-40		+70	°C
Pole Size		1 (25)		2 (50)	in (mm)
Weight	GD35-17 GD35-20 GD35-25		4 (1.8) 6 (2.7) 11 (5)		lbs (kg)
Dimension (W x L)	GD35-17 GD35-20 GD35-25		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
GD35-17	40	10	15.6	48
GD35-20	79	20	31	99
GD35-25	163	41	64	257

SYSTEM ORDERING INFORMATION

GD35-17P-NF	3400-3600 MHz 17 dBi grid dish with N female connector
GD35-17P-NM	3400-3600 MHz 17 dBi grid dish with N male connector
GD35-20P-NF	3400-3600 MHz 20 dBi grid dish with N female connector
GD35-20P-NM	3400-3600 MHz 20 dBi grid dish with N male connector
GD35-25P-NF	3400-3600 MHz 25 dBi grid dish with N female connector
GD35-25P-NM	3400-3600 MHz 25 dBi grid dish with N male connector

NOTES

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

ANT-DS-GD35 0611

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