

## **Grid Dish Parabolic Antenna**

**GD35** 



## **GD35: 3400 TO 3600 MHz OPERATION**

The 3.5 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 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. The antenna comes with 30 inch pigtail with choice of N male or N female connector.

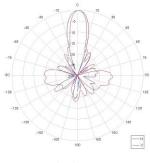
## FEATURES **ROHS**

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

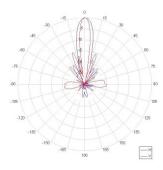
#### **MARKETS**

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

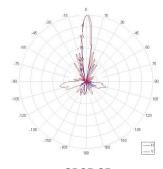
## **ANTENNA PATTERNS**



GD35-17



GD30-20



GD35-25

Americas: +1.847 839.6907 IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941 IAS-EUSales@lairdtech.com Asia: +86.21.5855.0827.127 IAS-AsiaSales@lairdtech.com

www.lairdtech.com



# **Grid Dish Parabolic Antenna**

**GD35** 

## Smart Technology. Delivered.

## **SPECIFICATIONS**

PARAMETER	MODEL	MIN	ТҮР	MAX	UNITS	
Frequency Range		3400		3600	MHz	
Gain	GD35-17		17		dBi	
	GD35-20		20			
	GD35-25		25			
3dB Beamwidth	GD35-17		13V, 16H		Deg	
	GD35-20		8V, 12H			
	GD35-25		6V, 7H			
Front to Back	GD35-17	14			dB	
	GD35-20	20				
	GD35-25	20				
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		4 (1.8)			
	GD35-20		6 (2.7)		lbs (kg)	
	GD35-25		11 (5)		, ,,	
Dimension (W x L)	GD35-17	12 x 16 (305 x 406)				
	GD35-20	16	in (mm)			
	GD35-25	28	8.5 x 36 (724 x 914 )			
Bracket Tilt		4	45		Deg	

## WIND LOADING (LBS.)

MODEL	SQ. IN	100 MPH	125 MPI	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

Americas: +1.847 839.6907 IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941 IAS-EUSales@lairdtech.com Asia: +86.21.5855.0827.127 IAS-AsiaSales@lairdtech.com

Any information furnished by Laird Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all ploential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trade marks or registered trade marks of Laird Lor or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights.