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## Parabolic Dish Antenna 5 GHz Operation

The parabolic dish antenna systems offered by Laird Technologies are constructed of an aluminum alloy dish with powder coat paint finish for excellent mechanical, electrical and environmental performance. The parabolic reflector is made with a special one-step molding technology which achieves excellent consistency and long term stability. They come complete with universal galvanized steel, powder coat paint mounting system for pole mount applications. Because of its superb electrical performance and mechanical stability, the parabolic dish antenna can be used in a wide variety of high performance 5GHz wireless applications. An optional fiberglass radome is available for added environmental protection.

### Features and Benefits:

- High gain 28 dBi, 29 dBi antenna (2 frequency ranges available)
- Adjustable tilt pole mount
- Vertical or horizontal polarization
- Type N female connector
- DC grounded for lightning protection
- Rugged, lightweight and waterproof

### Applications

- 5.8 GHz ISM band applications
- 5.3GHz UNII band applications
- Point to point data links
- 802.11a wireless data
- Long distance backhaul data links
- Building to building high speed links

For sales information:

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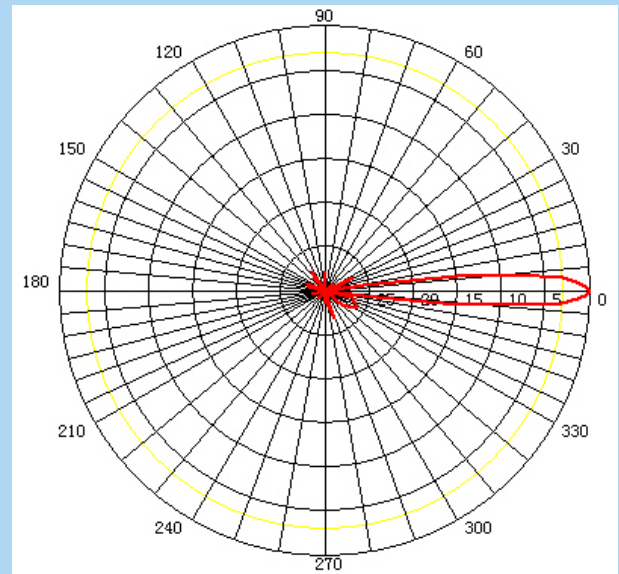
## Specifications

Parameter		Min	Typ	Max	Units
Frequency Range	DA58 DA57 DA53	5725 5470 5150		5850 5725 5350	MHz
Gain	DA58 DA57 DA53		29 28 28		dBi
Input Return Loss (S11)			-14		dB
VSWR			1.5:1		
3db Beam Angle			6		Deg
Cross Pole			-32		dB
Front to Back		25			dB
Side Lobe			-28		dB
Impedance			50		OHM
Input Power				100	W
Pole Diameter (OD)		1.5 (38)		3.0 (76)	Inch (mm)
Operating Temperature		-40		+70	Deg C
Rated Wind Velocity				125	mph
Focal Length			10 (254)		Inch (mm)
Weight			11 (5)		Lbs (Kg)
Dimensions (Dia)			25.5 (648)		Inch (mm)

## System Ordering:

DA58-29	29dBi 5.725GHz to 5.850GHz Parabolic Dish Antenna
DA57-28	28dBi 5.470GHz to 5.725GHz Parabolic Dish Antenna
DA53-28	28dBi 5.150GHz to 5.350GHz Parabolic Dish Antenna
DA5 RADOME	Radome Kit for Parabolic Dish Antenna

## Antenna Pattern



## Wind Loading (Lbs)

	100 MPH	125 MPH
PAWDA5	100 MPH 125 MPH 100 MPH w/ ½" Radial Ice	113 177 115
w/Radome	100 MPH 125 MPH 100 MPH w/ ½" Radial Ice	75 116 78

## Notes:

- All shipments F.O.B. Schaumburg, IL 60173
- All antennas carry a 2 Year Warranty

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