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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 32 dBi antenna
- 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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or visit: [www.pacwireless.com](http://www.pacwireless.com)



## Specifications

| Parameter               | Model No.            | Min                  | Typ              | Max                  | Units     |
|-------------------------|----------------------|----------------------|------------------|----------------------|-----------|
| Frequency Range         | DA58<br>DA57<br>DA53 | 5725<br>5470<br>5150 |                  | 5850<br>5725<br>5350 | MHz       |
| Gain                    | DA58<br>DA57<br>DA53 |                      | 32.5<br>32<br>31 |                      | dBi       |
| Input Return Loss (S11) |                      |                      | -14              |                      | dB        |
| VSWR                    |                      |                      | 1.5:1            |                      |           |
| 3db Beam Angle          |                      |                      | 4                |                      | Deg       |
| Cross Pole              |                      |                      | -34              |                      | dB        |
| Front to Back           |                      | 38                   |                  |                      | dB        |
| Side Lobe               |                      |                      | -30              |                      | 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       |
| Weight                  |                      |                      | 22 (10)          |                      | Lbs (Kg)  |
| Dimensions (Dia)        |                      |                      | 35.4 (900)       |                      | Inch (mm) |

## Wind Loading (Lbs)

|          |                          |     |
|----------|--------------------------|-----|
| DA5x-32  | 100 MPH                  | 256 |
|          | 125 MPH                  | 400 |
|          | 100 MPH w/ ½" Radial Ice | 258 |
| w/Radome | 100 MPH                  | 111 |
|          | 125 MPH                  | 173 |
|          | 100 MPH w/ ½" Radial Ice | 181 |

## System Ordering:

|         |         |   |
|---------|---------|---|
| DA58-32 | 32.5dBi | 5.725GHz to 5.850GHz Parabolic Dish Antenna |
| DA57-32 | 32dBi   | 5.470GHz to 5.725GHz Parabolic Dish Antenna |
| DA53-31 | 31dBi   | 5.150GHz to 5.350GHz Parabolic Dish Antenna |
| DA5-32  | RADOME  | Radome Kit for 0.9M Parabolic Dish Antenna  |

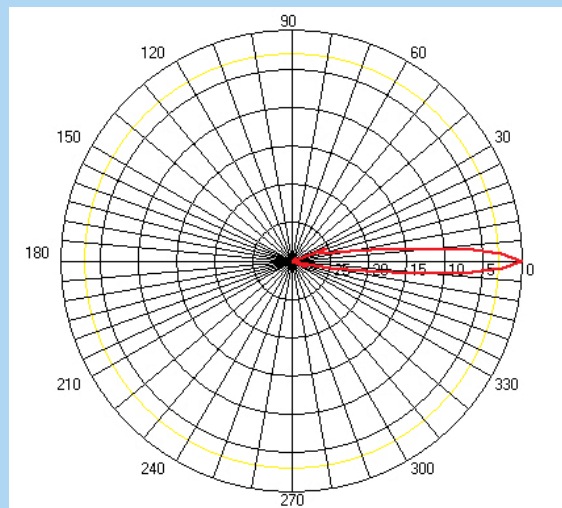
## Notes:

- All shipments F.O.B. Bluffdale, UT 84065
- All antennas carry a 2 Year Warranty

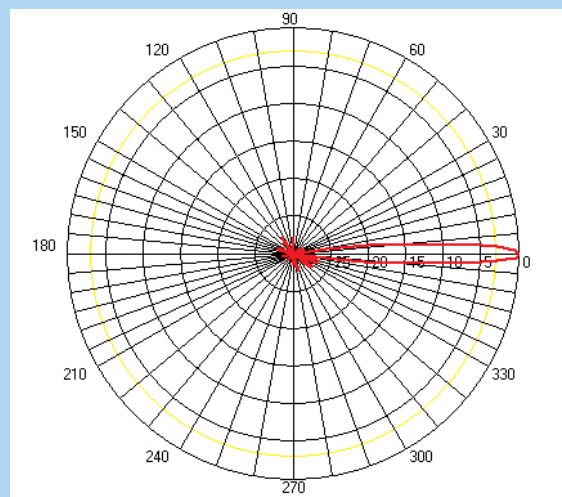
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*Specifications subject to change without notice.*

## Antenna Patterns



EPlane – Vertical/Elevation



HPlane – Horizontal/Azimuth

