

## Parabolic Dish Antenna

### 5 GHz Operation

#### Features

- 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



#### Description

The Parabolic Dish Antenna systems offered by Pacific Wireless 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.

#### Specifications

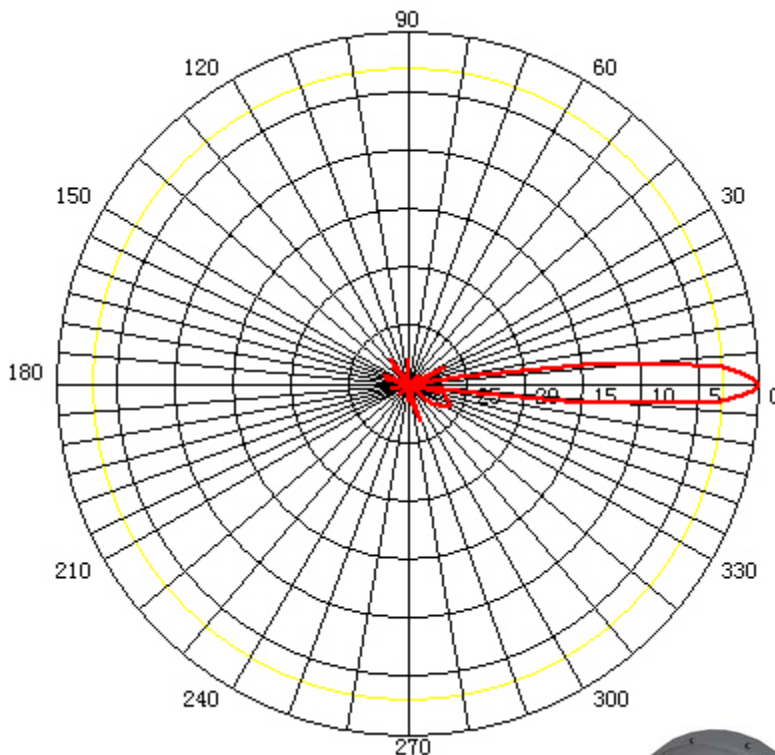
| Parameter                                 |                      | Min                  | Typ            | Max                  | Units     |
|-------------------------------------------|----------------------|----------------------|----------------|----------------------|-----------|
| <b>Frequency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

#### Wind Loading

|                 |                                                  |                   |
|-----------------|--------------------------------------------------|-------------------|
| <b>PAWDA5</b>   | 100 MPH<br>125 MPH<br>100 MPH w/<br>½"Radial Ice | 113<br>177<br>115 |
| <b>w/Radome</b> | 100 MPH<br>125 MPH<br>100 MPH w/<br>½"Radial Ice | 75<br>116<br>78   |



### Antenna Patterns



### Notes:

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

Optional Fiberglass Radome



### 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

### For further information contact:



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