



### 3300-3600 PARABOLIC DISH ANTENNA

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 3.5GHz wireless applications. An optional fiberglass radome is available for added environmental protection and reduced wind loading.

#### FEATURES

- High gain: choice of 25dBi or 28dBi antenna
- Adjustable tilt pole mount
- Vertical or horizontal polarization
- Type N female connector
- DC grounded for lightning protection
- Rugged, lightweight, and waterproof

#### MARKETS

- 3.5 GHz wireless local loop
- Long distance backhaul data links
- Point-to-point data links
- Building-to-building high speed links
- Wimax backhaul

| PARAMETER             | DA35-25             | DA35-28             |
|-----------------------|---------------------|---------------------|
| Frequency range       | 3300-3600 MHz       | 3300-3600 MHz       |
| Gain                  | 25 dBi              | 28 dBi              |
| VSWR                  | 1.5:1               | 1.5:1               |
| 3dB beam angle        | 10°                 | 7.5°                |
| Cross pole            | 28 dB               | 30 dB               |
| Front-to-back         | 32 dB               | 35 dB               |
| Side lobe             | -20 dB              | -25 dB              |
| Impedance             | 50 ohm              | 50 ohm              |
| Input power           | 100W                | 100W                |
| Pole diameter (OD)    | 1.5" - 3" (38-76mm) | 1.5" - 3" (38-76mm) |
| Operating temperature | -40 - +70°C         | -40 - +70°C         |
| Rated wind velocity   | 125 mph (56 m/sec)  | 125 mph (56 m/sec)  |
| Weight                | 11 lbs (5kg)        | 22 lbs (10kg)       |
| Diameter              | 25.5 in (648 mm)    | 35.4 in (900 mm)    |

#### WIND LOADING

| MODEL               | 100 MPH | 125 MPH |
|---------------------|---------|---------|
| DA35-25             | 113 lb  | 177 lb  |
| DA35-25 with radome | 75 lb   | 116 lb  |
| DA35-28             | 256 lb  | 400 lb  |
| DA35-28 with radome | 111 lb  | 173 lb  |

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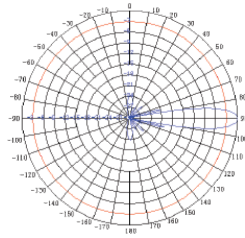
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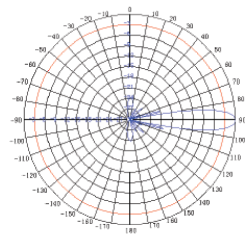
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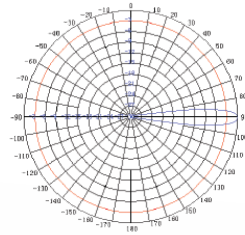
### ANTENNA PATTERN



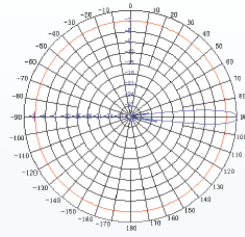
E Plane (Vert) DA35-25



H Plane (Horiz) DA35-25



E Plane (Vert) DA35-28



H Plane (Horiz) DA35-28



### SYSTEM ORDERING

|               |   |
|---------------|---|
| DA35-25       | 25dBi 3300MHz to 3600MHz parabolic dish antenna |
| DA35-28       | 28dBi 3300MHz to 3600MHz parabolic dish antenna |
| DA5-29 RADOME | Radome kit for DA3x-25 dish                     |
| DA5-32 RADOME | Radome kit for DA3x-28 dish                     |

ANT-DS-DA35 0809

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