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# PR-58

## 5.8 GHz Parabolic Antenna

### 32.5 dBi

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#### Superior Performance

The 5.8GHz High-Performance Parabolic Dish WiFi Antenna is ideal for directional 5.8GHz ISM / UNII band applications. It features 32.5 dBi with a 5° beam-width. These antennas can be oriented for either vertical or horizontal polarization.

#### Rugged and Weatherproof

The reflector dishes of these antennas are constructed from high quality aluminum which gives them superior strength. The dish is coated in a light gray UV-inhibited polymer for durability and aesthetics. Perforated holes in the dish helps minimize wind loading.

These antennas are supplied with a tilt and swivel mast mount kit. This allows installation at various degrees of incline for easy alignment. It can be adjusted up or down from 0° to 30°



| Electrical and Mechanical Specifications |                                       |
|--|---------------------------------------|
| <b>Frequency</b>                         | 5725 - 5875 MHz                       |
| <b>Gain</b>                              | 32.5 dBi                              |
| <b>Polarization</b>                      | Horizontal or Vertical                |
| <b>Horizontal Beam Width</b>             | 5 degrees                             |
| <b>Vertical Beam Width</b>               | 5 degrees                             |
| <b>Connector</b>                         | N Female                              |
| <b>VSWR</b>                              | < 1.5:1 avg.                          |
| <b>Front to Back Ratio</b>               | 38 dB                                 |
| <b>Impedance</b>                         | 50 Ohm                                |
| <b>Max. Input Power</b>                  | 100 Watts                             |
| <b>Weight</b>                            | 20 lbs. (9 kg)                        |
| <b>Dimensions</b>                        | 35.4" (900 mm)                        |
| <b>Mounting</b>                          | 1.5" (38mm) to 3" (76mm) dia. masts   |
| <b>Lighting Protection</b>               | DC Ground                             |
| <b>Operating Temperature</b>             | -40° C to to 85° C (-40° F to 185° F) |

## RF Antenna Gain Patterns

