



W5G-30D-DP / W5G-34D-DP / W5G-30RADOME / W5G-34RADOME

4.9 to 6GHz Wideband Parabolic Dish Antenna

The Parabolic Dish Antenna systems offered by Netkrom 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 4.9/5/6 GHz wireless applications.

Features:

- High Gain 30 dBi and 34 dBi Antenna
- Dual Polarization (H & V)
- Sturdy aluminum construction reflector and pipe mount
- All corrosion resistant materials, galvanized and stainless steel hardware.
- Fine azimuth and elevation adjustment
- Type N Female Connector
- Rugged, Lightweight and Waterproof

Applications:

- 5.8GHz ISM Band Applications
- 5.3GHz UNII Band Applications
- 5.470 – 5725 GHz European Band Applications
- 6.0 GHz Wireless Applications
- 802.11a/n Wireless Data
- 4.9GHz Public Safety Band
- WiMAX Applications
- Long Distance Backhaul Data Links
- Point to Point Data Links
- Building to Building High Speed Links

Specifications

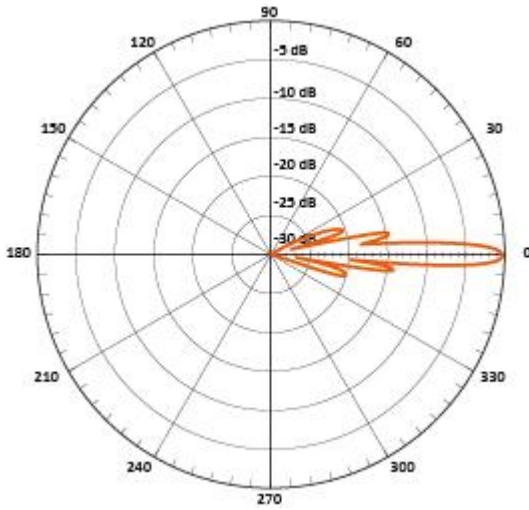
| PRODUCT CODE | W5G-30D-DP | W5G-34D-DP |
|-------------------------|---------------------------------------|---------------------------------------|
| ELECTRICAL | | |
| Gain | 30 dBi | 34 dBi |
| Frequency | 4.94 to 6 GHz | 4.94 to 6 GHz |
| Input Return Loss (S11) | -14dB | -14dB |
| VSWR | 1.5:1 | 1.5:1 |
| Front / Back ratio | 30 dB | 30 dB |
| Max. Input Power | 100 Watts | 100 Watts |
| 3dB Beam Angle | 6 deg | 6deg |
| Impedance | 50 ohms | 50 ohms |
| Connector | Two N-Type (female) | Two N-Type (female) |
| Polarization | Dual Linear – Vertical and Horizontal | Dual Linear – Vertical and Horizontal |
| MECHANICAL | | |
| Dimensions (diameter) | 25.6 in (65 cm) | 36.5 in (93 cm) |
| Wind loading | 125 mph | 125 mph |
| Weight | 16 Lbs. (7.2 kg) | 18.5 Lbs. (8.4 kg) |
| Pole Diameter (OD) | 2.0 to 4.5 in (5.0 to 11.4 cm) | 2.0 to 4.5 in (5.0 to 11.4 cm) |
| Operation Temperature | -45 to +70 deg C | -45 to +70 deg C |



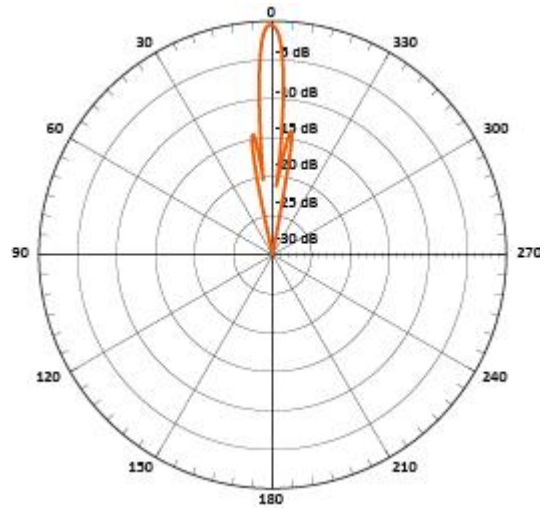
Antenna Patterns:

W5G-30D-DP

W5G-30D-DP EPlane – Vertical/Elevation

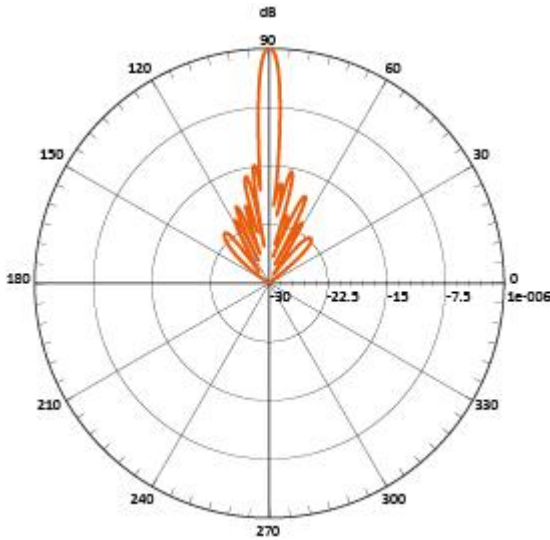


W5G-30D-DP HPlane – Horizontal/Azimuth

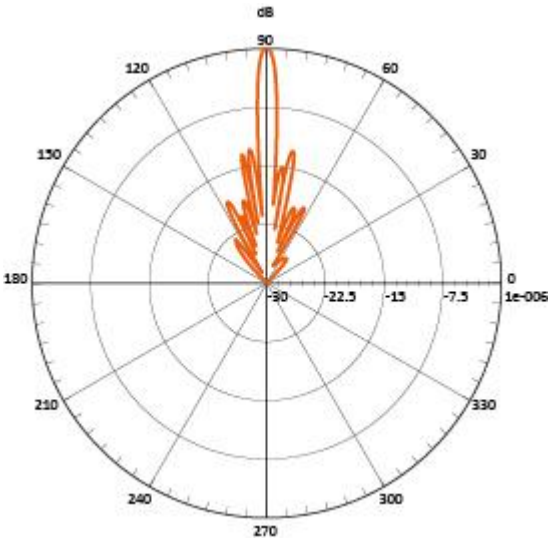


W5G-34D-DP

W5G-34D-DP EPlane – Vertical/Elevation



W5G-34D-DP HPlane – Horizontal/Azimuth



Specifications

- **W5G-30D-DP** 4.94 to 6 GHz 30 dBi Wideband Parabolic Dish Antenna Dual polarity (Two N Female Connector)
- **W5G-34D-DP** 4.94 to 6 GHz 34 dBi Wideband Parabolic Dish Antenna Dual polarity (Two N Female Connector)
- **W5G-30RADOME** Radome cover for 0.6M 30dBi Parabolic dish antenna
- **W5G-34RADOME** Radome cover for 0.9M 34dBi Parabolic dish antenna