

5.2 to 5.8GHz 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 5 GHz wireless applications. An optional Fiberglass Radome is available for added environmental protection.

Features:

- ▶ High Gain 34.5 dBi Antenna
- ▶ Adjustable tilt pole mount
- ▶ Vertical or Horizontal Polarization
- ▶ Type N Female Connector
- ▶ DC Grounded for lightning protection
- ▶ Rugged, Lightweight and Waterproof

Applications:

- ▶ 5.8GHz ISM Band Applications
- ▶ 5.3GHz UNII Band Applications
- ▶ 5.470 – 5725 GHz European Band Applications
- ▶ 802.11a Wireless Data
- ▶ WiMAX Applications
- ▶ Long Distance Backhaul Data Links
- ▶ Point to Point Data Links
- ▶ Building to Building High Speed Links



Optional Radome

Specifications:

Product code	W5G-34D
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Electrical

Gain	34.5 dBi
Frequency	5.250 to 5.850 GHz
Input Return Loss (S11)	-14dB
VSWR	1.5:1
Front /Back ratio	42dB
Max. Input Power	100 Watts
3dB Beam Angle	3 deg
Vertical Beamwidth	3 deg
Impedance	50 ohms
Connector	N-Type (female)
Polarization	Horizontal or Vertical

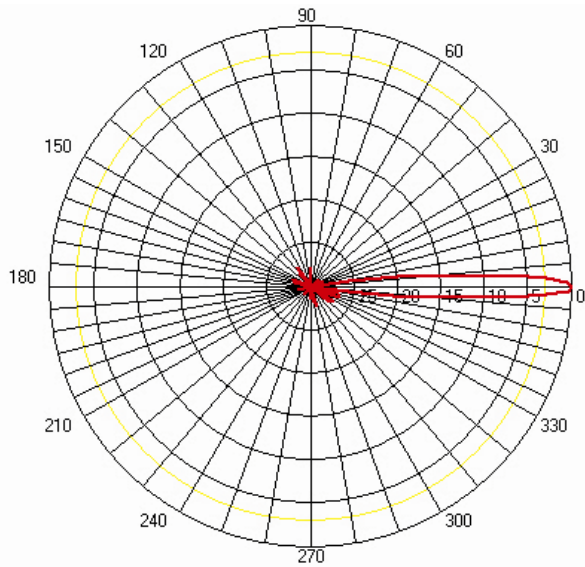
Mechanical

Dimensions (diameter)	47.2" In (1.2 m)
Wind loading	125 mph
Weight	60 Lbs. (27 kg)
Pole Diameter (OD)	1.5 to 3.0 Inch (38 to 76 mm)
Operation Temperature	-40 to +70 deg C

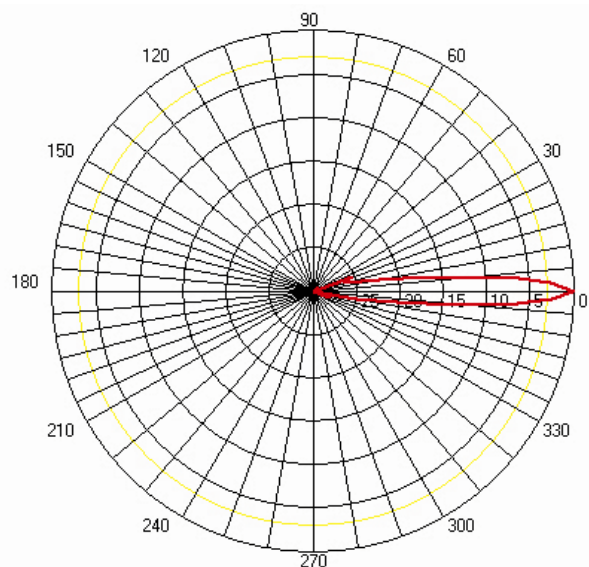
Ordering Information:

- ▶ **W5G-34D** 5.25 to 5.85GHz Wideband 34.5dBi Parabolic Dish Antenna (N Female Connector)

Antenna Patterns



W5G-34D EPlane – Vertical/Elevation



W5G-34D HPlane – Horizontal/Azimuth