

4.9 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 4.9/5 GHz wireless applications. An optional Fiberglass Radome is available for added environmental protection.



Optional Radome

Features:

- ✦ High Gain 29 dBi and 32 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
- ✦ 4.9GHz Public Safety Band
- ✦ WiMAX Applications
- ✦ Long Distance Backhaul Data Links
- ✦ Point to Point Data Links
- ✦ Building to Building High Speed Links

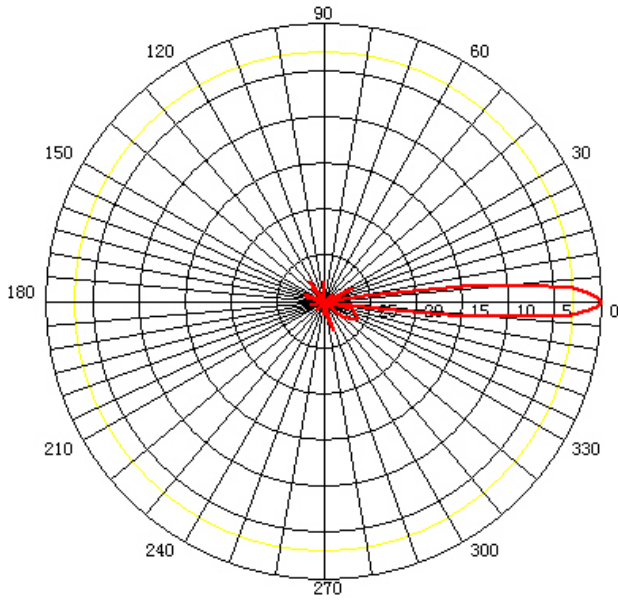
Specifications:

Product code	W5G-29D	W5G-29D-DP	W5G-32D	W5G-32D-DP
Electrical				
Gain	29dBi	29dBi	32 dBi	32 dBi
Frequency	4.900 to 5.875 GHz	5.150 to 5.850 GHz	4.900 to 5.875 GHz	5.150 to 5.850 GHz
VSWR	1.5:1	1.8:1	1.5:1	1.8:1
Front /Back ratio	- 32 dB	- 32 dB	- 38dB	- 38dB
Max. Input Power	100 Watts	100 Watts	100 Watts	100 Watts
Beamwidth	6 deg	6 deg	4 deg	4 deg
Cross pole	-32dB	-32dB	-34dB	-34dB
Side Lobes	-32dB	-32dB	-32dB	-32dB
Impedance	50 ohms	50 ohms	50 ohms	50 ohms
Connector	N-Type (female)		N-Type (female)	
Polarization	Horizontal or Vertical	Horizontal and Vertical	Horizontal or Vertical	Horizontal and Vertical
Mechanical				
Dimensions (diameter)	25.5" In (648mm)	25.5" In (648mm)	36.5" In (927 mm)	36.5" In (927 mm)
Mechanical Downtilt	30 deg	30 deg	30 deg	30 deg
Wind loading	125 mph, 177 lb	125 mph, 177 lb	125 mph, 400 lb	125 mph, 400 lb
Weight	11 Lbs. (5 kg)	11 Lbs. (5 kg)	22 Lbs. (10 kg)	22 Lbs. (10 kg)
Pole Diameter (OD)	2 Inch (50 mm)	2 Inch (50 mm)	4 Inch (101.6 mm)	4 Inch (101.6 mm)
Operation Temperature	-40 to +70 deg C	-40 to +70 deg C	-40 to +70 deg C	-40 to +70 deg C

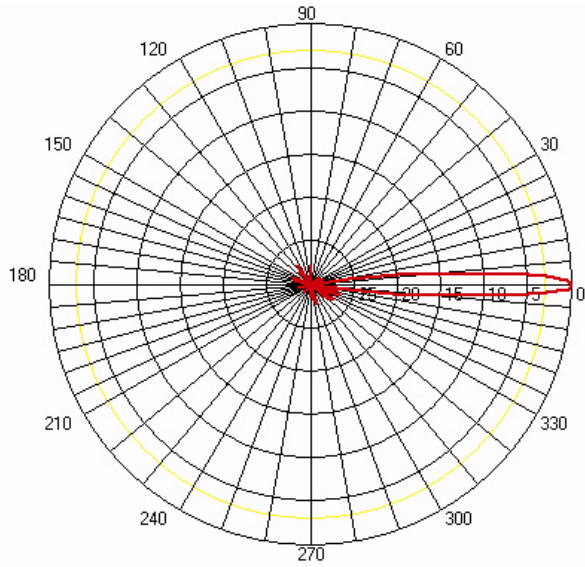
Ordering Information:

- ✦ **W5G-29D** 4.9 to 5.8GHz Wideband 29dBi Parabolic Dish Antenna (N Female Connector)
- ✦ **W5G-29D-DP** 5.1 to 5.8GHz Wideband 29dBi Parabolic Dish Antenna Dual polarity (N Female Connector)
- ✦ **W5G-32D** 4.9 to 5.8GHz Wideband 32dBi Parabolic Dish Antenna (N Female Connector)
- ✦ **W5G-32D-DP** 5.1 to 5.8GHz Wideband 32dBi Parabolic Dish Antenna Dual polarity (N Female Connector)
- ✦ **W5G-29RADOME** Radome cover for 0.6m 29dBi Parabolic dish antenna
- ✦ **W5G-32RADOME** Radome cover for 0.9m 32dBi Parabolic dish antenna

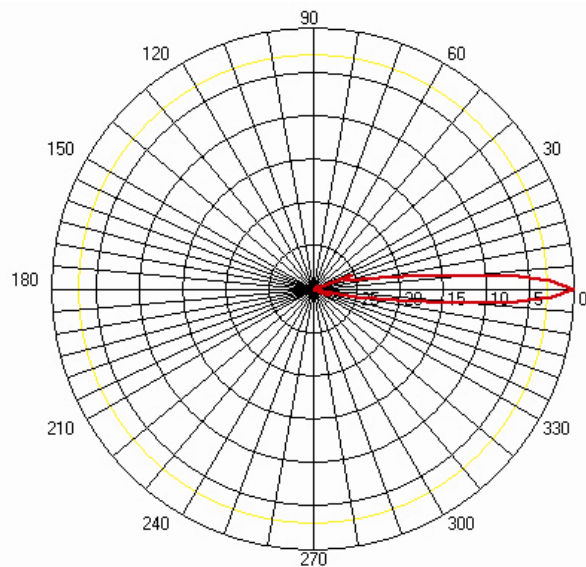
Antenna Patterns



W5G-29D E-Plane



W5G-32D EPlane – Vertical/Elevation



W5G-32D HPlane – Horizontal/Azimuth