

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

Features

- ▶ High Gain 28 dBi Antenna
- ▶ Adjustable tilt pole mount
- ▶ Vertical or Horizontal Polarization
- ▶ Type N Female Connector
- ▶ DC Grounded for lightning protection
- ▶ Rugged, Lightweight and Waterproof

Applications:

- ▶ 3.5GHz ISM Band Applications
- ▶ Wi-Max Applications
- ▶ Long distance backhaul data links
- ▶ Point to Point Data Links
- ▶ Building to Building High Speed Links
- ▶ WIMAX Backhaul



Optional Radome

Specifications:

Product Code	W35-28D
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Electrical

Gain	28dBi
Frequency	3300 to 3600 GHz
VSWR	1.5:1
Front /Back ratio	35 dB
Max. Input Power	100 Watts
3dB Beam Angle	7.5 °
Cross pole	30dB
Side Lobe	-25dB
Vertical Beamwidth	11°
Impedance	50 ohms
Connector	N Type (Female)
Polarization	Horizontal or Vertical

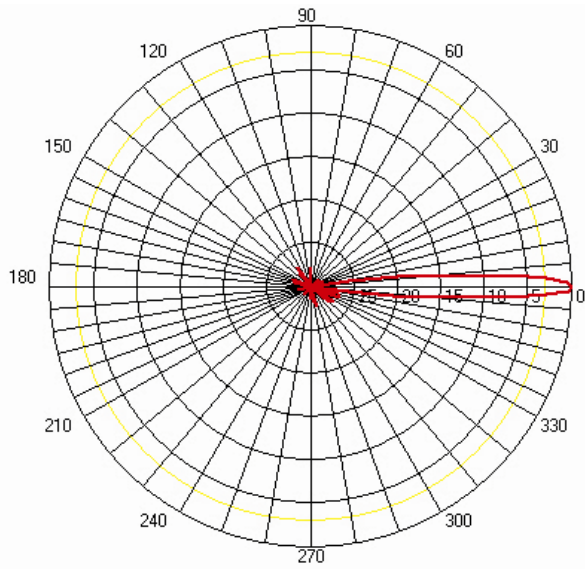
Mechanical

Dimensions (Diameter)	35.4" Inch. (900 mm)
Wind loading	125 mph, 400Lbs / 125 mph, 173 Lbs with Radome.
Weight	22 Lbs. (10 kg)
Pole Diameter (OD)	1.5 to 3.0 Inch (38 to 76 mm)
Operation Temperature	-40 to +70° C

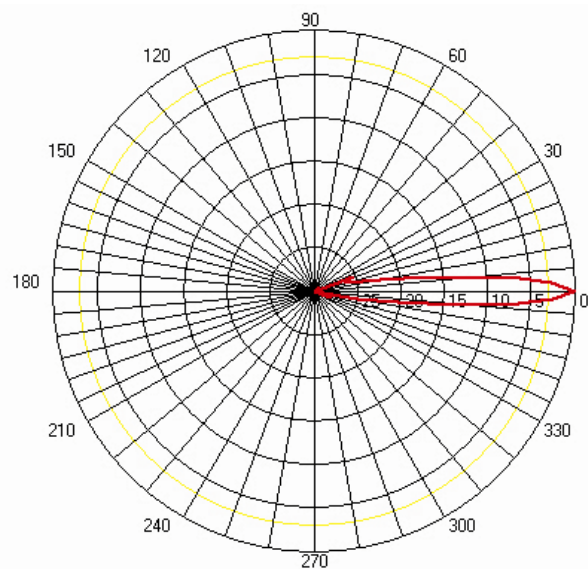
Ordering Information:

- ▶ **W35-28D** 3.3 to 3.6 GHz 28dBi Parabolic Dish Antenna (N-Female Connector)

Antenna Patterns



W35-28D E Plane – Vertical/Elevation



W35-28D H Plane – Horizontal/Azimuth