



## 20 dBi Sector Antenna N Type Connector

### Antennas Technical Data Sheet

PE51SE1009

#### Features

- 120° beam-width
- 20° Down-Tilt Mounting Bracket
- All weather operation
- Integral N-Female Connector
- Includes Mast Mounting Hardware

#### Applications

- 2.4 GHz ISM Band
- IEEE 802.11b, 802.11g and 802.11n Wireless LAN Applications
- Bluetooth® & Public Wireless Hotspot
- WiFi & Wireless Video Systems
- Wireless Internet Provider "cell" sites

#### Description

The HyperLink PE51SE1009 Sector Panel WiFi Antenna combines high gain with a wide 120° beam-width. It is a professional quality "cell site" antenna designed primarily for service providers in the 2.4GHz ISM band. Applications include IEEE 802.11b, 802.11g and 802.11n wireless LAN systems.

This antenna features a heavy-duty plastic radome for all-weather operation. The mounting system adjusts from 0 to 20 degrees down-tilt. This WiFi antenna is an ideal choice for Wireless Internet Provider "cell" sites since the cell size can be easily determined by adjusting the down-tilt angle. Horizontal coverage is a full 120 degrees.

#### Configuration

Design	Sector
Band Type	Single
Radiation Pattern	Directional
Polarization	Vertical
Connector Type	N Male
Number of Ports	1
Lightning Protection	DC Short

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Input VSWR			1.3:1	
Impedance		50		Ohms
Gain		20		dBi
Downtilt			20	Degrees
Input Power			250	Watts

#### Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	2,400-2,500					MHz
Gain	20					dBi
Horizontal Beam Width	120					Degrees
Vertical Beam Width	5					Degrees
Maximum Input Power	250					Watts

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [20 dBi Sector Antenna N Type Connector PE51SE1009](#)



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#### Mechanical Specifications

Radome Material

Polymer

##### Size

Overall Length

39 in [990.6 mm]

Width

9 in [228.6 mm]

Height

2.5 in [63.5 mm]

Mounting Mast Diameter

2 in [50.8 mm]

Weight

18.2 lbs [8.26 kg]

Mechanical Specification Notes:

Radome material is UV-inhibited Polymer.

#### Environmental Specifications

##### Temperature

Operating Range

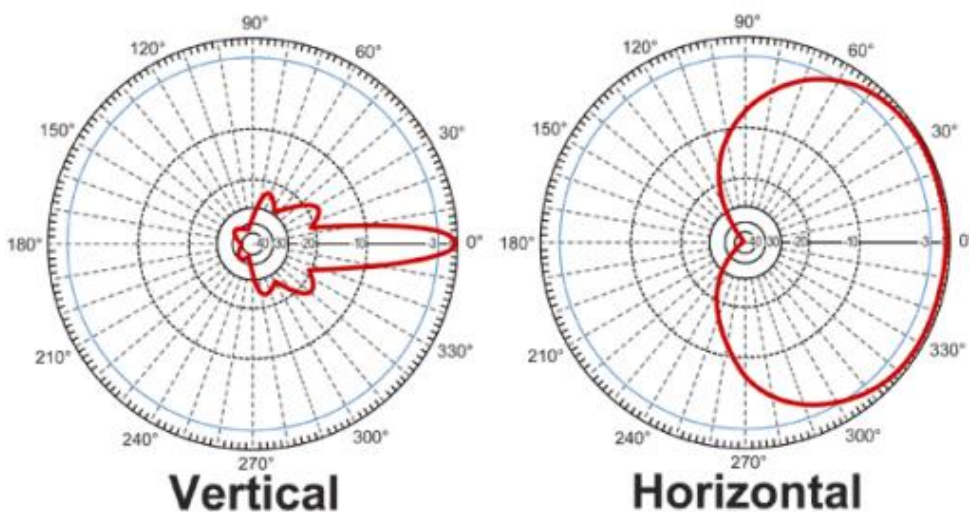
-40 to +85 deg C

**Compliance Certifications** (see [product page](#) for current document)

#### Plotted and Other Data

Notes:

##### Typical Radiation Pattern



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20 dBi Sector Antenna N Type Connector from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [20 dBi Sector Antenna N Type Connector PE51SE1009](https://www.pasternack.com/single-antenna-20-dbi-gain-n-pe51se1009-p.aspx)

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PE51SE1009 CAD Drawing  
20 dBi Sector Antenna N Type Connector

