

# 900 MHz 13 dBi 120 Degree Horizontal Polarized Sector Panel Antenna



## **Antennas Technical Data Sheet**

### PE51SE1003

#### **Features**

- Superior performance Horizontal Polarized 120° Sector Panel Antenna
- · All weather operation

- 0° to 15° Down-Tilt Mounting Bracket , Includes Mast Mounting Hardware
- NF Connector integral to the antenna

# **Applications**

- SCADA
- 900 MHz ISM/GSM
- RFID

- ZigBee
- · LPWAN, LoRA, IoT, M2M applications

#### Description

The HyperGain PE51SE1003 Sector Panel Antenna provides 13 dBi gain, Horizontally Polarized, with a wide 120° beamwidth. It is a professional quality "cell site" antenna designed primarily for service providers in the 900MHz band. It is ideally suited for 900MHz ISM and GSM bands. Typical applications include 900MHz Wireless LAN, SCADA, LPWAN, LoRA, IoT, M2M, and 900MHz Cellular.

This antenna features a heavy-duty plastic radome for all-weather operation. The mounting system adjusts from 0 to 15 degrees down tilt. This sector antenna is an ideal choice for Wireless Service Internet Provider "cell" sites since the cell size can be easily determined by adjusting the down-tilt angle. The 120° beam-width is ideal for covering large service areas.

#### Configuration

DesignSectorBand TypeSingleRadiation PatternDirectionalPolarizationHorizontalConnector TypeN FemaleNumber of Ports1Lightning ProtectionDC Short

#### **Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Input VSWR			2:1	
Impedance		50		Ohms
Gain		13		dBi
Downtilt			15	Degrees
Input Power			250	Watts

#### Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	900-930					MHz
Gain	13					dBi
Horizontal Beam Width	120					Degees
Vertical Beam Width	14					Degees

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 900 MHz 13 dBi 120 Degree Horizontal Polarized Sector Panel Antenna PE51SE1003

Pasternack Enterprises, Inc. • P.O. Box 16759, Irvine, CA 92623 **Phone:** (866) 727-8376 or (949) 261-1920 • **Fax:** (949) 261-7451

Sales@Pasternack.com • Techsupport@Pasternack.com



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Maximum Input Power	250	Watts

### **Mechanical Specifications**

Radome Material

Size

Overall Length Width

Height

**Mounting Mast Diameter** 

Weight

Mechanical Specification Notes:

Radome material is UV-inhibited Polymer.

**Environmental Specifications** 

**Temperature** 

Operating Range

-40 to +65 deg C

Polymer

70.86 in [179.98 cm]

7.88 in [200.15 mm] 1.96 in [49.78 mm]

31 lbs [14.06 kg]

1.96 to 2.75 in [49.78 to 69.85 mm]

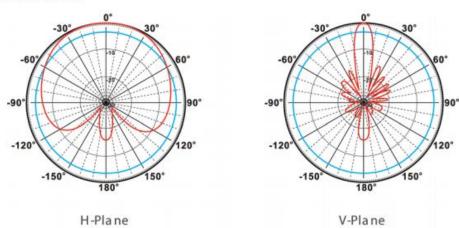
Compliance Certifications (see product page for current document)

**Plotted and Other Data** 

Notes:

**Typical Radiation Pattern** 

**RF Antenna Gain Patterns** 



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URL: https://www.pasternack.com/single-antenna-13-dbi-gain-n-pe51se1003-p.aspx

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# PE51SE1003 CAD Drawing

900 MHz 13 dBi 120 Degree Horizontal Polarized Sector Panel Antenna

