

DATASHEET

20 dBi 5 GHz Panel/Patch Antenna A5019NJ-DP

The 5 GHz Directional Panel/Patch Antenna is designed to cover the 5 GHz ISM band obtaining maximum gain with an attractive, low profile package.

This antenna is single linear polarization and can be mounted in either a vertical or horizontal polarization configuration. It consists of a low cost, high performance circuit design enclosed in a UV stabilized ABS plastic radome and is also DC grounded to aid in lightning protection. The antenna can be mounted to a wall or pole.

This antenna provides efficient and stable performance across the band and can be mounted indoors or outdoors.



Features

Benefits

Flexibility	<ul style="list-style-type: none">◆ Pole Mount or Wall Mount◆ Type N Female Connector◆ Vertical or Horizontal Polarization
Durable and reliable	<ul style="list-style-type: none">◆ Rugged and Weatherproof
Functionality	<ul style="list-style-type: none">◆ High gain / Low profile / Wide band

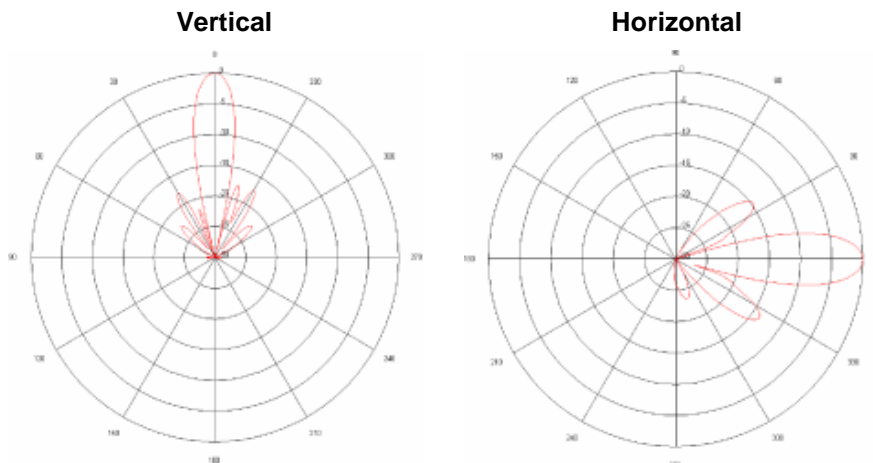
Electrical Specifications

Specification	Description
Frequency Range	5.15 to 5.875 GHz
Gain (Typical)	20 dBi
Polarization	Single Linear – Vertical and Horizontal
Vertical Beamwidth	11°
Horizontal Beamwidth	14°
VSWR	≤1.5:1 Typical; ≤1.7:1 Max
Front-to-Back Ratio	>35 dBi
Cross Polarization	>30 dBi
Power Rating	6 Watts
Impedance	50 ohms
Lightning Protection	DC Ground
Connector Type	Integral Type N Jack

Mechanical Specifications

Specification	Description
Dimensions (L x W x D)	10.4 x 10.4 x 0.49 in (26.4 x 26.4 x 1.2 cm)
Weight	1.3 lbs (0.59 kg)
Backplane	Aluminum
Radome	UV Stabilized ABS Plastic, grey
Wind Survivability	125 mph (201 kph)
Operating Temperature	-49° F to 149°F (-45°C to 65°C)
Pole Mount Diameter	0.75 in to 2.0 in (1.9cm to 5.1 cm)

Patterns



Additional Products

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Ordering Information

To order this product, please use the following:

20 dBi 5 GHz Panel/Patch Antenna

A5019NJ-DP

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