

4400 MHz to 5000 MHz V/H Dual Polarization 90 degree Sector, 14 dBi gain, Ruggedized, 2 X N Female Connectors

**KP-4DPFP14**



**Features**

- Dual Polarity feed system in single enclosure
- Includes tilt and swivel mast mounting
- Two integral N-Female connectors
- UV-resistant radome for all-weather operation
- MIMO - Multiple-Input and Multiple-Output

**Applications**

- 4.4 GHz Military Bands
- 4.9 GHz Public Safety Bands
- 5G applications
- Wireless Internet Services

**Description**

The KP-4DPFP14 from KP Performance Antennas is a high performance sector antenna specifically designed for Military-Public safety. The KP-4DPFP14 operates from 4400 to 5000 MHz which is ideal for Point to Multipoint coverage. The KP Performance Antennas KP-4DPFP14 antenna has 14 dBi gain with 90° Horizontal Beamwidth and 15° Vertical Beamwidth polarization.

The 90° Horizontal Beamwidth and 15° Vertical Beamwidth antenna with Vertical + Horizontal polarization KP-4DPFP14 from KP Performance Antennas has 2 x Type N Female connectors and 13-15 dBi of gain. The 4400-5000 MHz KP-4DPFP14 can be used with APs and Routers with 1 or 2 antenna ports. This antenna incorporates advanced dual polarization technology that allows for the interoperability of two radios transmit and receive paths. This technology allows for the attenuation of unwanted signals from adjacent channels and/or co-located equipment.

The 2 x Type N Female connectorized KP-4DPFP14 antenna from KP Performance Antennas excels in large open areas such as indoor courtyards, indoor sporting venues, convention centers and shopping malls. The mounting bracket and hardware are included for easy installation. Our expert technical support and friendly, knowledgeable customer service personnel are available to assist you with your particular needs for high performance sector antennas.

**Configuration**

Design	Sector
Band Type	Single
Radiation Pattern	Directional
Polarization	Vertical/Horizontal
Connector Type	N Female
Number of Ports	2
Lightning Protection	DC Ground

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	4.4		5	GHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		14		dBi
Front to Back Ratio	20			dB
Cross-polar Discrimination	15			
Port to Port Isolation	25			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4400 MHz to 5000 MHz V/H Dual Polarization 90 degree Sector, 14 dBi gain, Ruggedized, 2 X N Female Connectors KP-4DPFP14](#)

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Input Power	50	Watts
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**Mechanical Specifications**

Radome Material	UV Resistant UPVC
<b>Size</b>	
Length	5.2 in [132.08 mm]
Width	3.6 in [91.44 mm]
Height	11.8 in [299.72 mm]
Mounting Mast Diameter	1.38 to 2.95 in [35.05 to 74.93 mm]
Weight	3.52 lbs [1.6 kg]

**Environmental Specifications**

<b>Temperature</b>	
Operating Range	-40 to +70 deg C
Wind Survivability	124.27 MPH [199.99 KPH]
Humidity	5 to 95

**Plotted and Other Data**

Notes:

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**Appendix**

**Electrical Downtilt:** Angle in the antenna's elevation pattern in which the maximum gain occurs.

**Gain:** Antenna's average gain.

**Front to Back Ratio @ 180°±30°:** Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over ±30° angles.

**Cross-polarization Ratio (dB):** Typical difference between the co-polarization and cross-polarization gain across the sector's 3 dB Beam Width.

Dedicated to serving the needs of the Wireless Internet Service Provider (WISP) market, KP Performance Antennas offers purpose built products that reliably perform in the field. KP Performance Antennas product line consists of Yagi, Grid, Omni, Dish and other style antennas that operate in the 900 MHz, 2.4 GHz, 3 GHz, and 5 GHz frequencies.

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The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. KP Performance reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. KP Performance does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and KP Performance does not assume liability arising out of the use of any part or document.

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**KP-4DPFP14 CAD Drawing**

