

3300 MHz to 4200 MHz VH Dual Polarization Flat Panel,
14 dBi gain, Ruggedized, 2 X N Female Connectors

KP-3DPFP14



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

- 3.5 GHz Band Applications
- SOFDMA
- CBRS and Extended CBRS
- Wireless Internet Provider “cell” sites
- Wireless LAN systems & IEEE 802.16e Applications

Description

The KP-3DPFP14 from KP Performance Antennas is a high performance flat panel antenna engineered for superior performance antenna specifically designed for rugged environments with a low profile aesthetically pleasing design. The KP-3DPFP14 operates from 3500 to 4200 MHz which is ideal for Point to Point applications where form factor is a concern and coverage of extended CBRS is necessary. The KP Performance Antennas KP-3DPFP14 antenna has 14 dBi gain with 45° Horizontal Beamwidth and 40° Vertical Beamwidth polarization.

The 45° Horizontal Beamwidth and 40° Vertical Beamwidth antenna with Vertical + Horizontal polarization KP-3DPFP14 from KP Performance Antennas has 2 x Type N Female connectors and 14 dBi of gain. The 3500-4200 MHz KP-3DPFP14 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-3DPFP14 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 flat panel antenna engineered for superior performance antennas.

Configuration

Design	Flat Panel
Band Type	Single
Radiation Pattern	Directional
Polarization	Vertical/Horizontal
Connector Type	N Female
Number of Ports	2

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	3.3		4.2	GHz
Input VSWR			2:1	
Impedance		50		Ohms
Gain		15		dBi
Front to Back Ratio	25			dB

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications:
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Port to Port Isolation	25		dB
Horizontal Beamwidth	40	50	Degrees
Vertical Beamwidth	35	45	Degrees
Input Power		20	Watts

Mechanical Specifications

Radome Material	UV Resistant ABS
Size	
Length	7.4 in [187.96 mm]
Width	2.1 in [53.34 mm]
Height	7.4 in [187.96 mm]
Mounting Mast Diameter	1.57 to 1.97 in [39.88 to 50.04 mm]
Weight	3.96 lbs [1.8 kg]

Environmental Specifications

Temperature	
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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URL: <https://www.kpperformance.com/3300-mhz-to-4200-mhz-33-ghz-to-42-ghz-14-dbi-vh-dual-pol-flat-panel-antenna-kp-3dpfp14-p.aspx>

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.

KP-3DPFP14 CAD Drawing

