

2 GHz 15 dBi Dual Pol H/V 120 Degree Sector Antenna with Radio Case (Cables Included)

KPPA-2GHZDP120S-WC

Configuration

Design	Sector
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	2,400		2,500	MHz
Input VSWR		1.7:1		
Impedance		50		Ohms
Gain		14.2		dBi
Front to Back Ratio	25			dB
Electrical Downtilt		1.8		Degrees
Cross Polarization Ratio	21			dB
Horizontal (Azimuth) HPBW		120		Degrees
Vertical (Elevation) HPBW		9.8		Degrees
Input Power			50	Watts

Electrical Specification Notes:

Max input power is 50W per port.

Mechanical Specifications

Radome Material	PVC
Housing Plating/Color	Powder Coat
Size	
Length	35.6 in [904.24 mm]
Width	8.7 in [220.98 mm]
Height	7 in [177.8 mm]
Mounting Mast Diameter	1.25 to 3.5 in [31.75 to 88.90 mm]
Weight	23.4 lbs [10.61 kg]

Mechanical Specification Notes:

Radome material is UV resistant PVC.

Environmental Specifications

Temperature

Operating Range	-40 to +60 deg C
Wind Survivability	100 MPH [160.93 KPH]

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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Wind Loading

Plotted and Other Data

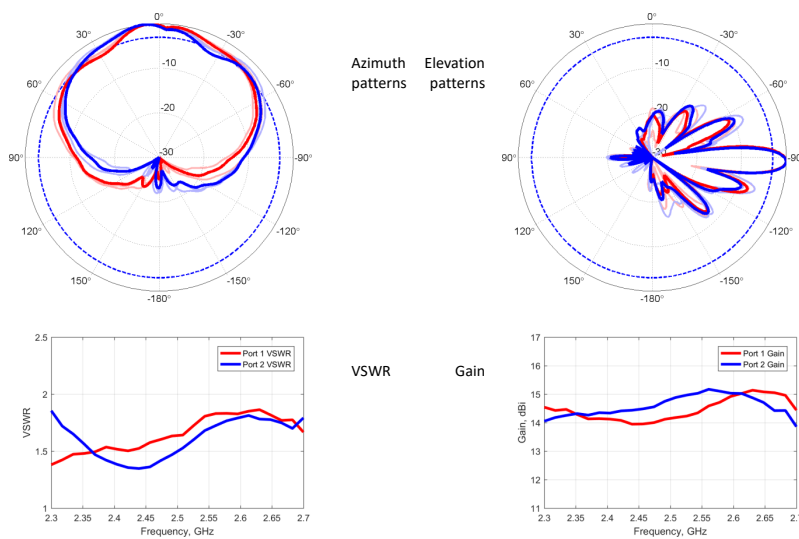
Notes:

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Typical Radiation Pattern



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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/2-4ghz-120-degree-15-dbi-sector-ubnt-case-p.aspx>

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