

2 GHz, 120 Degree, ±45 Degree Slant,  
14.5 dBi with Case (Designed for LTE)

**KP-2DP120S-45-WC**



**Configuration**

Design	Fixed
Band Type	Single
Radiation Pattern	Directional
Polarization	45 Deg. Slant
Connector Type	N Female
Interface 2	N Female
Number of Ports	2
Lightning Protection	RF Connector Grounded to Reflector and Mounting Bracket

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		2,500	MHz
Input VSWR		1.7:1	2:01	
Impedance		50		Ohms
Gain		14.5		dBi
Gain Variation		±0.25		dBi
Front to Back Ratio	32			dB
Electrical Downtilt		1		Degrees
Horizontal (Azimuth) HPBW		120		Degrees
Vertical (Elevation) HPBW		9		Degrees
Input Power			50	Watts

**Mechanical Specifications**

Radome Material	PVC
<b>Size</b>	
Length	27.4 in [695.96 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	21 lbs [9.53 kg]

**Environmental Specifications**

<b>Temperature</b>	
Operating Range	-40 to +60 deg C
Wind Survivability	100 MPH [160.93 KPH]
Wind Loading	
Max Survivability	46lbf

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[KP-2DP120S-45-WC](#)

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**Plotted and Other Data**

Notes:

**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 @  $180^\circ \pm 30^\circ$ :** Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over  $\pm 30^\circ$  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-ghz-120-45-deg-slant-14-5-dbi-designed-for-lte-with-case-kp-2dp120s-45-wc-p.aspx>

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