

2 GHz 120 Degree ±45 Degrees Slant  
14.5 dBi (Designed for LTE)

**KP-2DP120S-45**

**Configuration**

Design	Sector
Band Type	Single
Radiation Pattern	Directional
Polarization	45 Deg. Slant
Connector Type	N Female
Interface 2	N Female
Number of Ports	2

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		2,500	MHz
Input VSWR			2:01	
Impedance		50		Ohms
Gain		14		dBi
Front to Back Ratio	28			dB
Electrical Downtilt		1		Degrees
Cross Polarization Ratio	25			dB
Horizontal (Azimuth) HPBW		120		Degrees
Vertical (Elevation) HPBW		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
<b>Size</b>	
Length	27.4 in [695.96 mm]
Width	8.7 in [220.98 mm]
Height	5 in [127 mm]
Mounting Mast Diameter	1.25 to 3.5 in [31.75 to 88.90 mm]
Weight	18.1 lbs [8.21 kg]

Mechanical Specification Notes:

UV protection is UV resistant powder coat.

**Environmental Specifications**

**Temperature**

Operating Range -40 to +60 deg C

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](#)

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## KP-2DP120S-45

Wind Survivability  
Wind Loading

100 MPH [160.93 KPH]

### 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-p.aspx>

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