



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

KP-2DP120S-45-WC



Configuration

Design
Band Type
Radiation Pattern
Polarization
Connector Type
Interface 2
Number of Ports
Lightning Protection

Fixed
Single
Directional
45 Deg. Slant
N Female
N Female
2

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

Size

 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]

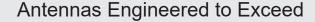
Environmental Specifications

Temperature

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°±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-ghz-120-45-deg-slant-14-5-dbi-designed-for-lte-with-case-kp-2dp120s-45-wc-p.aspx

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