

3.3 GHz to 3.8 GHz, 8 dBi Dual Pol MIMO Omni Antenna, 2 Type N Female, PVC Radome

KP-3DOMA-8



Features

- · All weather operation
- ±45 Slant
- 2x2 MIMO
- PVC radome

Applications

- Point to Multipoint and Non Line of Sight (NLOS) Applications
- · 8 dBi gain

- · Integral N-Female connectors
- · Commercial grade design
- · 360° Omnidirectional Pattern
- 3500, LTE, and CBRS Cellular Band Operation

Description

The KP-3DOMA-8 from KP Performance is a high performance 5G / LTE outdoor omnidirectional antenna designed for Cellular Networks. The KP-3DOMA-8 operates from 3300 to 3800 MHz which is ideal for 5G, LTE, and MIMO 2x2 applications in CBRS band. The Multi-Band design of the KP Performance KP-3DOMA-8 antenna eliminates the need to purchase different antennas for each frequency. The same antenna can be used for a wide array of base station cellular applications where wide coverage is desired. KP Performance's KP-3DOMA-8 can be used to distribute Cellular telecommunication signals over a large area.

The omnidirectional antenna with Dual Slant (±45°) polarization KP-3DOMA-8 from KP Performance has Type N connectors and 8 dbi of gain. The Type N connectorized KP-3DOMA-8 antenna from KP Performance excels in large open areas. 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 5G / LTE outdoor omnidirectional 5G cellular antennas.

Configuration

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

Omni Single

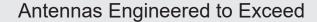
Omni Directional ±45 Deg. Slant N Female

DC Ground

Electrical Specifications

Minimum	Typical	Maximum	Units
3,300		3,800	MHz
	2:1		
	50		Ohms
	8		dBi
	±1		dBi
	360		Degrees
	7		Degrees
		100	Watts
		3,300 2:1 50 8 ±1 360	3,300 3,800 2:1 50 8 ±1 360 7

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 3.3 GHz to 3.8 GHz, 8 dBi Dual Pol MIMO Omni Antenna, 2 Type N Female, PVC Radome KP-3DOMA-8





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Mechanical Specifications

Radome Material Radiator Material

Size Length

Width Height

Mounting Mast Diameter

Weight

Environmental Specifications Temperature

Operating Range
Wind Survivability

Wind Loading

Plotted and Other Data

Notes:

PVC Aluminum

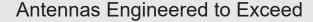
21.7 in [551.18 mm] 3 in [76.2 mm] 2.99 in [75.95 mm] 1.18 to 2.16 in [29.97 to

1.18 to 2.16 in [29.97 to 54.86 mm]

5.65 lbs [2.56 kg]

-40 to +60 deg C 124.274 MPH [200 KPH]

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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/3.3ghz-3.8ghz-8-dbi-dual-pol-mimo-omni-antenna-2-type-n-female-pvc-kp-3doma-8-p.aspx

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KP-3DOMA-8 CAD Drawing

