3.3 GHz to 3.8 GHz, 13 dBi Dual Pol MIMO Omni Antenna, 4 Type N Female, PVC Radome

KP-3QOMA-13

Features

- All weather operation
- ±45 Slant
- 4x4 MIMO
- UV Resistance PVC Radome
- N-Female connectors
- 360° Omnidirectional Pattern

Applications

- Point to Multipoint and Non Line of Sight (NLOS) Applications
- 13 dBi gain
- 3500, LTE, and CBRS Cellular Band Operation

Description

The KP-3QOMA-13 from KP Performance is a high performance 5G / LTE outdoor omnidirectional antenna designed for Cellular Networks. The KP-3QOMA-13 operates from 3300 to 3800 MHz which is ideal for 5G, LTE, and MIMO 4x4 applications in CBRS band. The Multi-Band design of the KP Performance KP-3QOMA-13 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-3QOMA-13 can be used to distribute Cellular telecommunication signals over a large area.

The omnidirectional antenna with Dual Slant (±45°) polarization KP-3QOMA-13 from KP Performance has 4 Type N connectors and 13 dbi of gain. The Type N connectorized KP-3QOMA-13 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	Omni
Band Type	Single
Radiation Pattern	Omni Directional
Polarization	Vertical/Horizontal
Connector Type	N Female
Number of Ports	4
Lightning Protection	DC Ground

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	3,300		3,800	MHz
Input VSWR		2:1		
Impedance		50		Ohms
Input Power			50	Watts

Passive Element Specifications

Description	Minimum	Typical	Maximum	Units
Polarization		±45		

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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Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Gain	12	12	12			dBi
Horizontal HPBW	60	56	48			Degrees
Vertical HPBW	7	6	6			Degrees

Mechanical Specifications

Radome Material	UV Resistance PVC
Size	
Length	31.5 in [800.1 mm]
Width	4.7 in [119.38 mm]
Height	4.7 in [119.38 mm]
Mounting Mast Diameter	1.57 to 2.36 in [39.88 to 59.94 mm]
Weight	10 lbs [4.54 kg]

Environmental Specifications

Temperature	
Operating Range	-40 to +65 deg C
Wind Survivability	210 MPH [337.96 KPH]
Wind Loading	

Plotted and Other Data

Notes:

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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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KP-3QOMA-13 CAD Drawing