# 3.3-4.2 GHz, Omnidirectional Fiberglass Antenna, 11 dBi, Female Type N Connector, Vertical Polarization

## KP-3SPOM-11-NF

### Features

- All weather operation
- Includes heavy duty steel mast mounting brackets
- Lightweight fiberglass radome
- Integral N-Female connector
- Commercial grade design
- 360° Omnidirectional Pattern

### Applications

- Point to Multipoint and Non Line of Sight (NLOS) Applications
- 11 dBi gain
- 3500 CBRS and EU C-Band Cellular Band Operation

### Description

The KP-3SPOM-11-NF from the KP Performance antenna is high performance outdoor omnidirectional antenna specifically designed for CBRS and C-Band networks. This KP-3SPOM-11-NF outdoor antenna is an economical rugged omnidirectional antenna that provides high reliability due to its fiberglass radome. This Omni antenna has a 11 dBi gain and 3300-4200 MHz frequency range that offers great coverage for rural areas or difficult-to-cover areas.

The 3300-4200 MHz frequency range omnidirectional antenna has coverage of 4G, LTE, 5G, and CBRS bands. The KP-3SPOM-11-NF omnidirectional antenna has vertical polarization. All the components in the omnidirectional fiberglass antenna are DC grounded for lightning protection.

The 11 dBi high gain omnidirectional outdoor-rated antenna has 360 degree of coverage to offer range extension and simple deployment to build Wi-Fi and cellular communication networks. This 3300-4200 MHz Omni antenna has Type N Female connectors makes installation easy and fast allowing for rapid time to on air activation. The versatile Type N Female connector option in the Omni antenna allows cabled connections to the radios and is fit where high coverage is required and traditional base station antennas are too bulky.

KP Performance has a stock of KP-3SPOM-11-NF antenna with same-day shipping. The weatherproof fiberglass omnidirectional antenna has 50 W maximum power handling capability and covers all telecom needs. For further information on similar products, search this website or contact our expert technical support who would be happy to guide you to the perfect 3300-4200 MHz, 11 dBi gain omnidirectional antenna for your requirement.</p>

### Configuration

| | |
|---|---|
| Radiation Pattern | Omni Directional |
| Polarization | Vertical |
| Connector Type | N Female |
| Number of Ports | 1 |

### Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---|---|---|---|---|
| Frequency Range | 3,300 | | 4,200 | MHz |
| Input VSWR | | 2:1 | | |
| Impedance | | 50 | | Ohms |
| Gain | | 11 | | dB |
| Horizontal Beamwidth | | | 360 | Degrees |
| Vertical Beamwidth | | | 7 | Degrees |

Click the following link (or enter part number in “SEARCH” on website) to obtain additional part information including price, inventory and certifications:
3.3-4.2 GHz, Omnidirectional Fiberglass Antenna, 11 dBi, Female Type N Connector, Vertical Polarization KP-3SPOM-11-NF



+1 (855) 276-5772 | info@kpperformance.com | kpperformance.com

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## KP-3SPOM-11-NF

| | | |
|---|---|---|
| Input Power | 50 | Watts |

### Mechanical Specifications

| | |
|---|---|
| Radome Material | Fiberglass |
| **Size** | |
| Length | 25.6 in [650.24 mm] |
| Width | 0.728 in [18.49 mm] |
| Height | 0.728 in [18.49 mm] |
| Weight | 1.2125 lbs [549.98 g] |

### Environmental Specifications

| | |
|---|---|
| **Temperature** | |
| Operating Range | -40 to +70 deg C |
| Wind Survivability | 124.274 MPH [200 KPH] |
| Wind Loading | |
| Humidity | 5 to 95 |

### 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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URL: https://www.kpperformance.com/3.3-4.2-ghz-omnidirectional-fiberglass-antenna-11-dbi-female-type-n-connector-vertical-polarization-kp-3spom-11-nf-p.aspx

## KP-3SPOM-11-NF CAD Drawing