

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

KP-3SPOM-11-NM



Features

- All weather operation
- Lightweight fiberglass radome
- Integral N-Male 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-NM from the KP Performance antenna is high performance outdoor omnidirectional antenna specifically designed for CBRS and C-Band networks. This KP-3SPOM-11-NM outdoor antenna is an economically 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-NM omnidirectional antenna has vertical polarization. All the components in the omnidirectional fiberglass antenna is 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 Male connectors makes installation easy and fast allowing for rapid time to on air activation. The versatile Type N Male connector option in the Omni antenna allows direct 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-NM 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.

Configuration

Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	N Male
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
Input Power			50	Watts

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, Male Type N Connector, Vertical Polarization KP-3SPOM-11-NM](#)

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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-male-type-n-connector-vertical-polarization-kp-3spom-11-nm-p.aspx>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. KP Performance reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. KP Performance does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and KP Performance does not assume liability arising out of the use of any part or document.

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KP-3SPOM-11-NM CAD Drawing

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	02/23/2022	WZHANG

N-MALE CONNECTOR

23.9 [608.0]

0.728 [18.50]

0.811 [20.60]

25.6 [650.0]

LABEL PER ILS-100-03
SEE NOTE 1

<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [] ARE MILLIMETERS</p> <p>TOLERANCES:</p> <p>X = ± 2 [5.08] FRACTIONS ± 1/32</p> <p>.XX = ± 0.02 [.51] ANGLES ± 1°</p> <p>.XXX = ± 0.005 [.13]</p> <p>CABLE LENGTH (L) TOLERANCES:</p> <p>L ≤ 12 [305] = ± 1 [25] / -0</p> <p>12 [305] < L ≤ 60 [1524] = ± 2 [51] / -0</p> <p>60 [1524] < L ≤ 120 [3048] = ± 4 [102] / -0</p> <p>120 [3048] < L ≤ 300 [7620] = ± 6 [152] / -0</p> <p>300 [7620] < L = ± 5% L / -0</p> <p>ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.</p>	<p>KP PERFORMANCE™ ANTENNAS <i>ALIVE™</i></p> <p>9850 W 190th St, Suite F, Mokena, IL 60448 Phone: 1.855-276-5772 Edm.: 1.780.702.7577 www.kpperformance.com Email: info@kpperformance.com</p>	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN ARE THE PROPERTY OF KP PERFORMANCE, INC. ALL RIGHTS RESERVED.</p> <p>SHEET 1 OF 1</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>SCALE</td> <td>N/A</td> </tr> <tr> <td>ITEM NO.</td> <td>KP-3SPOM-11-NM</td> </tr> <tr> <td>REV</td> <td>A</td> </tr> </table>	SCALE	N/A	ITEM NO.	KP-3SPOM-11-NM	REV	A
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NOTES:

- LABEL PER ILS-100-03 (FOR INTERNAL REFERENCE ONLY)
LABEL LOCATION FOR REFERENCE ONLY

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