



2.4 GHz, 4 dBi, Omni Antenna with N-Male Connector

Antennas Technical Data Sheet

KP-24-SPOMA-4-NM

Features

- High Performance in a compact lightweight design
- Durable UV-Stable fiberglass radome
- All weather operation
- Integral N-Male connector
- Optional magnetic mounts available

Applications

- 2.4 GHz ISM Band
- IEEE 802.11b, 802.11g and 802.11n Wireless LAN
- Public wireless hotspots
- WiFi Access Points
- Multipoint and mobile applications

Description

The KP Performance Antenna KP-24-SPOMA-4-NM with N-male connector is an economical yet high performance omnidirectional antenna designed for the 2.4 GHz ISM band. This compact and lightweight antenna is ideally suited for IEEE 802.11b, 802.11g, 802.11n, and 802.11ax (WiFi 6) wireless LANs, IoT, Bluetooth, public wireless hotspot application and other multipoint applications where wide coverage is desired.

KP Performance KP-24-SPOMA-4-NM omnidirectional antenna features sealed collinear brass elements inside a durable UV-stable fiberglass radome. A vented end cap and drain holes in the base help prevent moisture build-up inside the antenna. These features allow the KP-24-SPOMA-4-NM omnidirectional antenna to be mounted in up or down positions.

The integrated N-male connector on the KP-24-SPOMA-4-NM omnidirectional antenna allows it be mounted to varies types of N-Female Bulkhead connectors and adapters as well as N-Female type magnetic mounts. In addition to shipping the same day, our 2.4 GHz omnidirectional antennas are high-quality components backed by expert technical support and sales personnel.

Configuration

Design	Omni
Frequency Range	2.4 to 2.5 GHz
Polarization	Vertical
Connector Type	N Male
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Impedance		50		Ohms
Gain Nominal		4		dBi
Horizontal (Azimuth) Beam Width		360		Degrees
Vertical (Elevation) Beam Width		30		Degrees
Input Power			100	Watts
VSWR			1.5:1	

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4 GHz, 4 dBi, Omni Antenna with N-Male Connector KP-24-SPOMA-4-NM](#)



2.4 GHz, 4 dBi, Omni Antenna with N-Male Connector

Antennas Technical Data Sheet

KP-24-SPOMA-4-NM

Mechanical Specifications

Radome Material Fiberglass

Size

Base Diameter	1.2 in [30.48 mm]
Radome Diameter	0.75 in [19.05 mm]
Length	7.9 in [200.66 mm]
Weight	0.8 lbs [362.87 g]

Mounting

Mount Type Type N Male

Mechanical Specification Notes:

Environmental Specifications

Temperature

Operating Range -40 to +85 deg C

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [2.4 GHz, 4 dBi, Omni Antenna with N-Male Connector KP-24-SPOMA-4-NM](#)

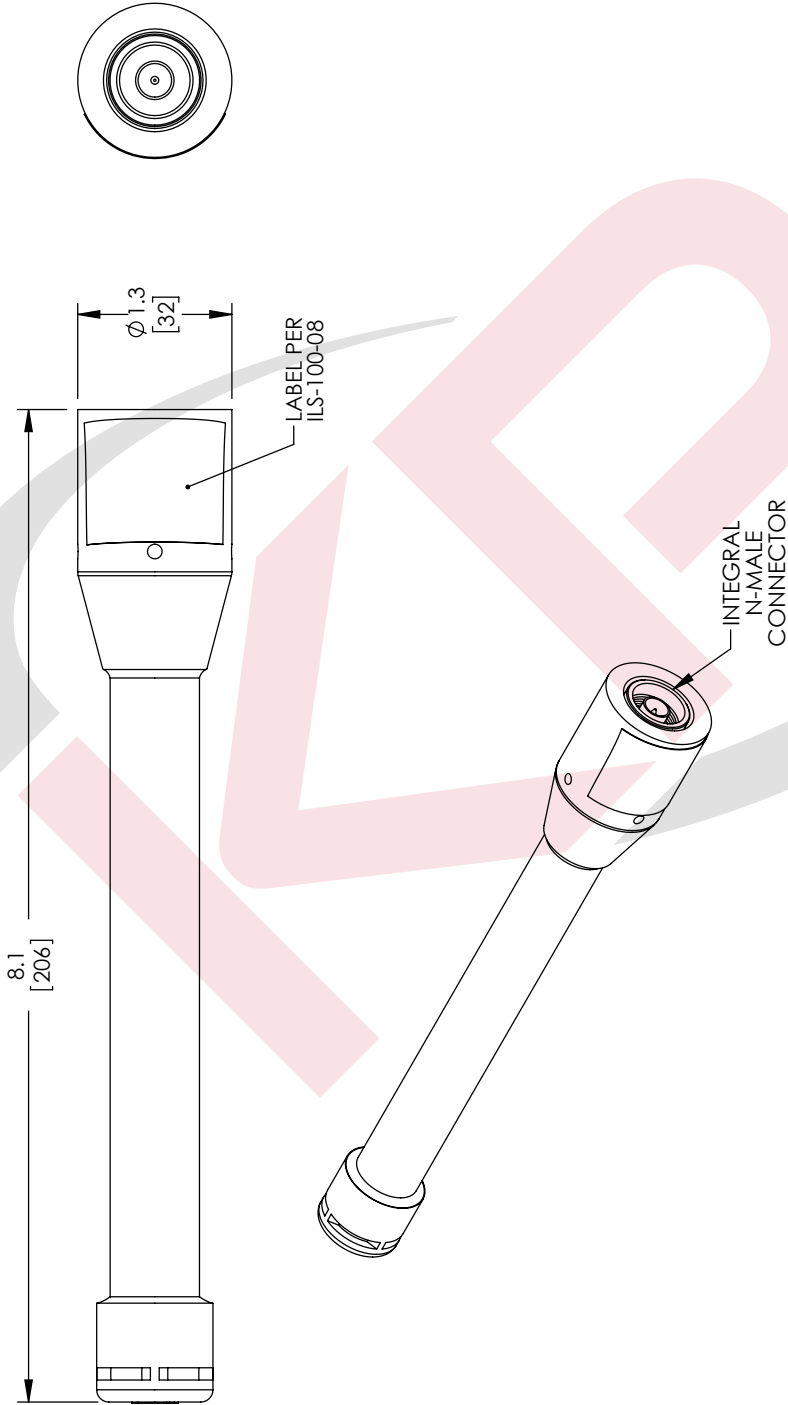
URL: <https://www.kpperformance.com/2-4ghz-4dbi-omni-antenna-n-male-connector-kp-24-spoma-4-nm-p.aspx>

The information contained in 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 any liability arising out of the use of any part or documentation.

KP-24-SPOMA-4-NM CAD Drawing

2.4 GHz, 4 dBi, Omni Antenna with N-Male Connector

REVISIONS		
REV.	DESCRIPTION	DATE
A	INITIAL RELEASE	09/02/2020
		APPROVED KH1ETPAS



UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = ± 2	[5.08]	FRACTIONS
XX = ± 0.02	[.51]	+ / - 1/32
XXX = ± 0.005	[.13]	ANGLES ± 1°

CABLE LENGTH (L) TOLERANCES:

L ≤ 12	[305]	= +1 [25] / -0
12 [305] < L ≤ 60	[1524]	= +2 [51] / -0
60 [1524] < L ≤ 120	[3048]	= +4 [102] / -0
120 [3048] < L ≤ 300	[7620]	= +8 [152] / -0
300 [7620] < L = +5% / -0		

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION

THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF KP PERFORMANCE, INC. ALL RIGHTS RESERVED.

SHEET 1 OF 1

SCALE N/A

PERFORMANCE ANTENNAS
A LIVE TELECOM COMPANY

Phone: 1.855-276-5772 | Edm.: 1.780.702.7577

www.kpperformance.com

Email: info@kpperformance.com

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	N/A	DZINN	KP-24-SPOMA-4-NM	A

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE WERE EXPORTED FROM THE UNITED STATES IN ACCORDANCE WITH THE EXPORT ADMINISTRATION REGULATIONS. DIVERSION CONTRARY TO U.S. LAW PROHIBITED.