



2.4 GHz, 8 dBi, Omni Antenna with Spring Base N-Male Connector

Antennas Technical Data Sheet

KP-24-SPOMAFLEX-8-NM

Features

- Flexible Spring Base for Antenna Flexibility
- Can be Mounted on Magnetic base or Permanent Base (order separately)
- Weather-Proof, High Performance
- Fixed Mounts Available
- Compact Size

Applications

- 2.4 GHz ISM Band
- IEEE 802.11b and 802.11g Wireless LAN
- IEEE 802.11n (Pre-N, Draft-N) Applications
- WiFi & Wireless Video Systems
- Wireless Video Systems & Multipoint and Mobile Applications

Description

The KP Performance Antenna KP-24-SPOMAFLEX-8-NM is a high performance omni-directional elevated feed antenna designed for the 2.4 GHz ISM band with a flexible spring base. This compact and lightweight antenna is ideally suited for IEEE 802.11b and 802.11g, 802.11n, 802.11ax (WiFi 6) wireless LANs, IOT, public wireless hotspots, Bluetooth® and other multipoint and mobile applications where high gain and wide coverage is desired. This antenna features a co-linear stacked design with an elevated feed point. This allows the antenna to operate using a very small ground plane.

Measuring 17.5" long, the omnidirectional KP-24-SPOMAFLEX-8-NM from KP Performance Antenna features an aesthetic black finish. It features a built-in shock spring and is designed with a standard N-Male connector that allows for ease of installation to similar N-Female mounting systems (mobile and fixed 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		8		dBi
Horizontal (Azimuth) Beam Width		360		Degrees
Input Power			50	Watts
VSWR			2:1	

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, 8 dBi, Omni Antenna with Spring Base N-Male Connector KP-24-SPOMAFLEX-8-NM](#)



2.4 GHz, 8 dBi, Omni Antenna with Spring Base N-Male Connector

Antennas Technical Data Sheet

KP-24-SPOMAFLEX-8-NM

Mechanical Specifications

Radome Material

Fiberglass

Size

Length

17.5 in [444.5 mm]

Weight

0.36 lbs [163.29 g]

Mounting

Mount Type

Type-N Male

Mechanical Specification Notes:

Environmental Specifications

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, 8 dBi, Omni Antenna with Spring Base N-Male Connector KP-24-SPOMAFLEX-8-NM](#)

URL: <https://www.kpperformance.com/2-4ghz-8dbi-omni-antenna-spring-base-N-male-connector-kp-24-spomaflex-8-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-SPOMAFLEX-8-NM CAD Drawing
2.4 GHz, 8 dBi, Omni Antenna with Spring Base N-Male Connector

