

2.4 GHz and 5.8 GHz, 5/6 dBi, Dual Band Omni Antenna with N-Female Connector

Antennas Technical Data Sheet

Features

- High Performance in a compact lightweight design
- Durable UV-Stable fiberglass radome with vented end cap and drain holes in base

• All weather operation

- Integral N-Female connector
- Includes mast mounting kit

Applications

- 2.4/4.9/5.1/5.3/5.4/5.8 GHz Wireless LAN systems
- IEEE 802.11a/b/g/n, 802.11ac compatible and 802.11ax (WiFi 6)
- Homeland Security and Public Safety band
- WiMAX and WiFi applications
- Multipoint and mobile applications

Description

The KP-25-SPOMA-5-NF from KP Performance Antenna is an economic yet high performance dual band omnidirectional antenna designed for operation in the 2.4 GHz and 4.9/5.8 GHz frequency bands. Compact and lightweight, it is ideally suited for IEEE 802.11a, 802.11b, 802.11h, 802.11j, 802.11n, 802.11ac, and 802.11ax (WiFi 6) wireless LANs and multipoint and mobile applications where high gain and wide coverage is desired.

The KP-25-SPOMA-5-NF dual band omnidirectional antenna with integrated N-Female bulkhead type connector can mount through the wall of an equipment enclosure. A mast mounting kit which consists of a heavy-duty steel bracket and a pair of U-bolts allows for installations on masts up to 2.0" in diameter.

A vented end cap and drain holes in the base help prevent moisture build-up inside the KP-25-SPOMA-5-NF. These features allow the antenna to be mounted in up or down positions. In addition to shipping the same day, our omnidirectional antennas are high-quality components backed by expert technical support and sales personnel.

| Configuration | |
|----------------------|-----------------|
| Design | Omni |
| Frequency Range | 2.4 to 5.85 GHz |
| Gain | 5 to 6 dBi |
| Polarization | Vertical |
| Connector Type | N Female |
| Number of Ports | 1 |
| Lightning Protection | DC Short |
| | |

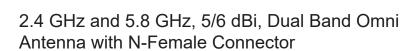
Electrical Specifications

| Description | Minimum | Typical | Maximum | Units |
|---------------------------------|---------|---------|---------|---------|
| Impedance | | 50 | | Ohms |
| Horizontal (Azimuth) Beam Width | | 360 | | Degrees |
| Vertical (Elevation) Beam Width | | 45 | | Degrees |
| Input Power | | | 50 | Watts |

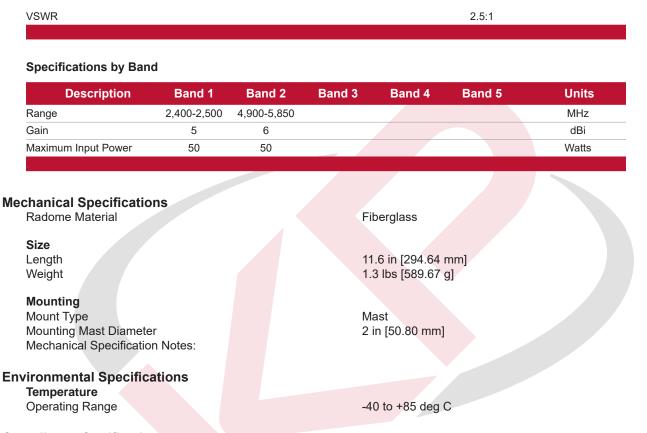
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: 2.4 GHz and 5.8 GHz, 5/6 dBi, Dual Band Omni Antenna with N-Female Connector KP-25-SPOMA-5-NF



KP-25-SPOMA-5-NF



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Compliance Certifications (see product page for current document)

Plotted and Other Data

Notes:

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KP-25-SPOMA-5-NF



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KP-25-SPOMA-5-NF

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/2-4ghz-and-5-8ghz-6dbi-dual-band-omni-antenna-n-female-connector-kp-25-spoma-5-nf-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-25-SPOMA-5-NF CAD Drawing 2.4 GHz and 5.8 GHz, 5/6 dBi, Dual Band Omni Antenna with N-Female Connector

