



5.1 GHz to 5.8 GHz, 6 dBi, Omni Antenna with N-Female Connector

Antennas Technical Data Sheet

KP-58-SPOMA-6-NF

Features

- Drain Holes in Base Help Prevent Condensation Build-Up Inside
- Durable UV-Stable All Weather PVC Radome
- Includes Mast Mounting Hardware
- Integral N-Female Connector
- Sealed End Cap

Applications

- Point to Multipoint Applications
- 5.3 GHz, 5.4 GHz and 5.8 GHz Band Applications
- IEEE 802.11a, 802.11n Wireless LAN
- WiMAX, WISP and WiFi Compatible
- Wireless Video Systems

Description

The KP Performance Antenna KP-58-SPOMA-6-NF with integrated N-female connector is an economical yet high performance omnidirectional antenna designed for 5.1 GHz through 5.8 GHz band applications. Compact and lightweight, it is ideally suited for IEEE 802.11a, 802.11b, 802.11n, 802.11ac, and 802.11ax (WiFi 6) wireless LANs, public wireless hotspot application, public safety, and other multipoint applications where wide coverage is desired and multiple frequencies are available for use.

The internal N-female bulkhead connector on the KP Performance Antenna KP-58-SPOMA-6-NF enables it to be mounted through the wall of an equipment enclosure. The included mast mounting kit consists of a heavy-duty steel bracket and a pair of U-bolts which allows installation on masts up to 2.0" in diameter.

Constructed for all weather operation, the KP-58-SPOMA-6-NF omnidirectional features collinear brass elements inside a durable UV-stable white PVC radome. The end cap is sealed while the drain holes at the base help prevent condensation build-up inside the antenna. 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	5.1 to 5.875 GHz
Polarization	Vertical
Connector Type	N Female
Number of Ports	1

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Impedance		50		Ohms
Gain Nominal		6		dBi
Horizontal (Azimuth) Beam Width		360		Degrees
Vertical (Elevation) Beam Width		16		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: [5.1 GHz to 5.8 GHz, 6 dBi, Omni Antenna with N-Female Connector KP-58-SPOMA-6-NF](#)



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VSWR

1.5:1

Mechanical Specifications

Radome Material

PVC

Size

Length

11.81 in [299.97 mm]

Weight

1.32 lbs [598.74 g]

Mounting

Mount Type

Mast

Mounting Mast Diameter

1.37 to 1.96 in [34.80 to 49.78 mm]

Mechanical Specification Notes:

Radome material is UV stable PVC.

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.

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URL: <https://www.kpperformance.com/5-1ghz-to-5-8ghz-6dbi-omni-antenna-n-female-connector-kp-58-spoma6-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-58-SPOMA-6-NF CAD Drawing

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