

615 MHz-960 MHz, 1710 MHz-2700 MHz 5G  
V-pol White Antenna 3.5 dBi IP67 Outdoor Rated  
White Type N Female Connector

**KP-600SPOMNIW-3-NF**



**Features**

- Type N Female Connector
- White Omni for Indoor or Outdoor
- IP67 Weatherproof for all Environments
- 0 to 3 dBi Gain

**Applications**

- 4G & 5G Networks, Public or Private
- 600, 700, 850, 900, 1800, 1900, 2100, 2600 MHz
- IoT, Cellular, Zigbee, Z-Wave, Bluetooth

**Description**

The KP Performance KP-600SPOMNIW-3-NF 5G Omnidirectional White Antenna is a high performance, compact and lightweight antenna with same day shipping. This omnidirectional antenna is designed for the 600 MHz to 2700 MHz bands and is IP67 rated for tough weather. It features a brass N Type female connector. The N female connector allows it to be mounted to a radio or terminal with a coaxial jumper and provides flexibility of mounting location. The KP-600SPOMNIW-3-NF from KP Performance is a coaxial sleeve design with an omni-directional pattern. It is ideally suited for 4G, 5G, LTE and other sub 6 GHz Cellular bands in both private and public networks.

5G high performance white omnidirectional KP-600SPOMNIW-3-NF is a rigid antenna providing broad coverage and 0 to 3.5 dBi gain. It is suitable as for any network using sub 6 GHz 5G bands including 600, 700, 800, 850, 900, 1800, 1900, 2100, 2300 and 2600 MHz bands. The KP-600SPOMNI-3-NF is painted white to blend in with outdoor locations.

KP's 5G Cellular antennas, just like our wide selection of superior quality antennas, ship same day. Contact our knowledgeable and friendly KP Performance technical support and sales staff for your answers on our antennas.

**Configuration**

Design	Portable
Band Type	Multi
Radiation Pattern	Omnidirectional
Wavelength	1/4
Polarization	Vertical
Connector Type	N Female

**Electrical Specifications**

Description	Minimum	Typical	Maximum	Units
Frequency Range	615		2700	MHz
Input VSWR			3:1	
Impedance		50		Ohms
Gain		3.5		dBi
Gain	0			dBi

**Specifications by Band**

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:  
[615 MHz-960 MHz, 1710 MHz-2700 MHz 5G V-pol White Antenna 3.5 dBi IP67 Outdoor Rated White Type N Female Connector KP-600SPOMNIW-](#)

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Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	615-960	1,710-2,700				MHz
Gain	0	3.5				dBi

**Mechanical Specifications**

Radome Material ABS  
Height 7.18 in [182.37 mm]

**Connectors**

Description	Connector 1	Connector 2	Connector 3
A	B	C	D
Body Material and Plating	Brass		

**Environmental Specifications**

**Temperature**  
Operating Range -20 to +65 deg C  
Storage Range -20 to +65 deg C  
  
Environment IP67

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

**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.

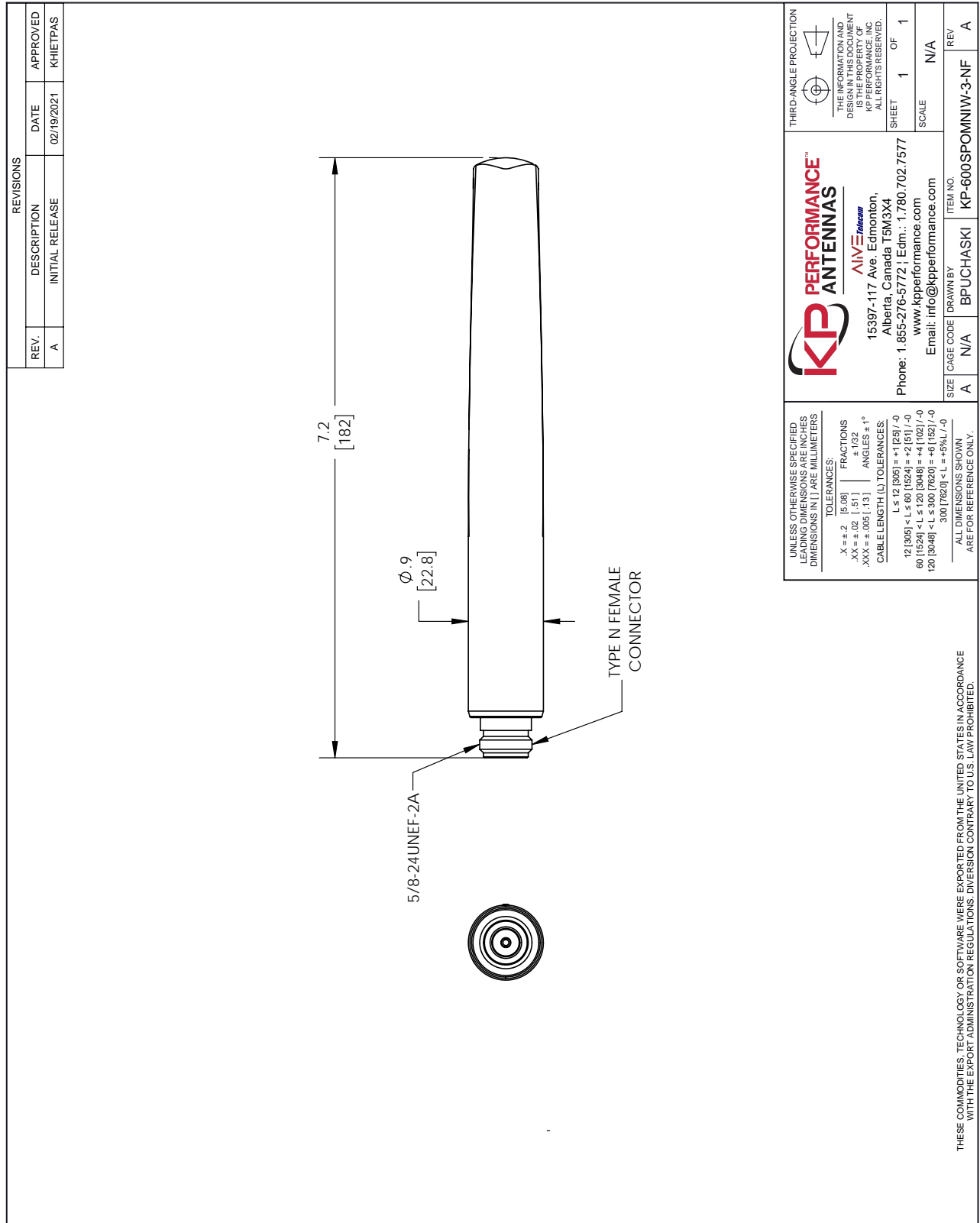
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [615 MHz-960 MHz, 1710 MHz-2700 MHz 5G V-pol White Antenna 3.5 dBi IP67 Outdoor Rated White Type N Female Connector KP-600SPOMNIW-3-NF](https://www.kpperformance.com/615mhz-960mhz-1710mhz-2700mhz-5g-v-pol-white-antenna-3.5-dbi-ip67-outdoor-rated-white-type-n-female-connector-kp-600spomniw-3-nf)

URL: <https://www.kpperformance.com/615mhz-2700mhz-5g-white-omni-n-female-connector-kp-600spomniw-3-nf-p.aspx>

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**KP-600SPOMNIW-3-NF CAD Drawing**



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

TOLERANCES:

.X = ±.2 [5.08]	FRACTIONS ± 1/32
.XX = ±.02 [ .51 ]	ANGLES ± 1°
.XXX = ±.005 [ .13 ]	

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] = +6 [152] / -0
300 [7620] < L = +5% / -0

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

**KP PERFORMANCE™**  
**ANTENNAS**

**ALIVE Telecom**

15397-117 Ave. Edmonton,  
 Alberta, Canada T5M3X4  
 Phone: 1.855-276-5772 | Edm.: 1.780.702.7577  
 www.kpperformance.com  
 Email: info@kpperformance.com

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REV. A

SIZE A N/A

CAGE CODE N/A

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