

5150 MHz to 5875 MHz Log Periodic Antenna, 15 dBi, High Gain, Dual pol, 2 x Type N Female connector, V/H-pol

KP-LP1005



Features

- Frequency coverage for 5150 MHz to 5875 MHz
- Very High Gain 15 dBi Directional Antenna
- Each connector covers wide band of frequencies
- Easy Install universal mounting bracket provided
- Weatherproof ABS – UV Resistance PVC radome
- Pigtail – 10 inches
- 2 x N-Type Female connector

Applications

- Point-to-point, NB-IoT, IoT, M2M applications
- 5G / WLAN / Sub-6 GHz operation supported
- 5G Bands Supported - n46
- DAS (Distributed Antenna Systems)
- IEEE 802.11a / n / ac / ah / ax Wi-Fi applications
- Public safety, utilities, CCTV and local radio coverage
- Smart cities expansion for coverage and IOT / IIOT

Description

The KP-LP1005 from KP Performance Antennas is a high-performance log periodic antenna specifically designed to aesthetically pleasing design. The KP-LP1005 operate from 5150 to 5875 MHz for point-to-point applications, 5G, LTE, CMDA, LoRA, IoT, WIFI, where directivity and coverage are very important. The KP Performance Antennas KP-LP1005 has 15 dBi of gain which is ideal for boosting.

The KP Performance Antennas KP-LP1005 has V/H polarization, 25 horizontal beamwidth, and 23 vertical beamwidth for point-to-point communication. The included mounting brackets allow for either vertical or horizontal mounting configurations with easy install instructions. Where there is weak coverage and needs to reach further distances, log periodic antennas are best. The directional KP-LP1005 antenna has 1 Type N Female connector on a 10 inches long pigtail.

KP Performance KP-LP1005 log periodic antenna operates in 5G bands n46 with a 15 dBi max. This 5150 to 5875 MHz 5G directional log periodic antenna with Type N connector is in stock and ready to ship the same day. Our expert technical support and friendly, knowledgeable customer service personnel are available to assist you with your particular needs for high performance Log Periodic antenna engineered for superior performance antennas.

Configuration

Design	Log Periodic
Band Type	Single
Radiation Pattern	Directional
Polarization	Vertical and Horizontal
Cable Type	Coax Cable
Cable Length	9.8 in [248.92 mm]
Connector Type	N Female
Number of Ports	2

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	5,150		5,875	MHz
Input VSWR			1.7:1	
Impedance		50		Ohms
Gain			15	dBi
Front to Back Ratio	18			dB

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [5150 MHz to 5875 MHz Log Periodic Antenna, 15 dBi, High Gain, Dual pol, 2 x Type N Female connector, V/H-pol KP-LP1005](#)

5150 MHz to 5875 MHz Log Periodic Antenna, 15 dBi, High Gain, Dual pol, 2 x Type N Female connector, V/H-pol



KP-LP1005

Horizontal Beamwidth	25	Degrees
Vertical Beamwidth	23	Degrees
Input Power	100	Watts

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Range	5.15 to 5.875					GHz
Gain	15					dBi
Horizontal HPBW	25					Degrees
Vertical HPBW	23					Degrees
Front to Back Ratio	18					dB
VSWR Max	1.7:1					
Maximum Input Power	100					Watts

Mechanical Specifications

Radome Material	ABS
Size	
Length	21.3 in [541.02 mm]
Width	18.1 in [459.74 mm]
Height	8.3 in [210.82 mm]
Weight	2.2 lbs [997.9 g]

Environmental Specifications

Temperature	
Operating Range	-40 to +65 deg C
Wind Survivability	130.5 MPH [210.02 KPH]
Wind Loading	23.5 lbs at 100 MPH 36.2 lbs at 125 MPH

Plotted and Other Data

Notes:

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[5150 MHz to 5875 MHz Log Periodic Antenna, 15 dBi, High Gain, Dual pol, 2 x Type N Female connector, V/H-pol KP-LP1005](#)

5150 MHz to 5875 MHz Log Periodic Antenna, 15 dBi, High Gain, Dual pol, 2 x Type N Female connector, V/H-pol

KP-LP1005



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: [5150 MHz to 5875 MHz Log Periodic Antenna, 15 dBi, High Gain, Dual pol, 2 x Type N Female connector, V/H-pol KP-LP1005](https://www.kpperformance.com/No-URL-Convention-Found-for-?KP-LP1005-p.aspx)

URL: <https://www.kpperformance.com/No-URL-Convention-Found-for-?KP-LP1005-p.aspx>

The information contained within 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 liability arising out of the use of any part or document.

5150 MHz to 5875 MHz Log Periodic Antenna, 15 dBi, High Gain,
Dual pol, 2 x Type N Female connector, V/H-pol

KP-LP1005 CAD Drawing

