



RFLink Wireless 698-960/1710-2700 MHz DAS 11 dBi Log Periodic Antenna Model: RFLINKPSL01-NF

Applications

- DAS (Distributed Antenna Systems)
- 700 MHz and cellular applications
- AWS (Advanced wireless services) and PCS (Personal communications services)
- IEEE 802.11b/g WiFi applications
- LTE networks



Features

- Superior Performance
- Weatherproof ABS
- Internal combiner eliminated the need for separate coax cables for each frequency
- Supplied with tilt and swivel mast bracket

Description

The RFLINKPSL01-NF is a high-performance wideband log-periodic antenna designed to cover frequency ranges from 698–960 MHz and 1710–2700 MHz, offering exceptional versatility. With this wideband design, there's no need to purchase separate antennas for each frequency band, streamlining installations and making it the ideal solution for a variety of wireless applications that require broad coverage.

This RFLINKPSL01-NF antenna is particularly well-suited for Distributed Antenna Systems (DAS), which are commonly used to distribute cellular and Wi-Fi signals throughout buildings or large areas. It is also excellent for directional and multipoint IEEE 802.11b/g/n wireless LANs, public wireless hotspots, and other systems operating in the 2.4 GHz ISM band. Additionally, the antenna is perfect for Low Power Wide Area Network (LPWAN) and IoT/M2M applications, including LoRa, LTE-M, and NB-IoT.

This RFLINKPSL01-NF antenna's broadband characteristics enable it to perform across an extensive frequency range, making it a flexible and cost-effective solution. With a gain of 9/10 dBi and a vertical beam width of 56°/45°, it ensures efficient signal distribution. Its internal components are housed in a UV-stable white ABS radome, ensuring reliable all-weather operation, even in harsh environmental conditions.

Rugged and Weatherproof

The internal components of this antenna are enclosed within a UV-stable white ABS radome for all-weather operation. It is supplied with a tilt and swivel mast mount kit.

Specifications

Electrical Specifications

Frequency	698-960 MHz	1710-2700 MHz
Gain	9 dBi	10 dBi
Horizontal Beam Width	78°	75°
Vertical Beam Width	56°	45°
Polarization	Vertical	
Impedance	50 Ohm	
Max. Input Power	50 Watts	
VSWR	≤ 2.0	

Mechanical Specifications

Weight	2 lbs. (0.907gm)
Dimensions L x H x W	11.6 x 8.1 x 2.4 in. (295 x 207 x 60 mm)
Radome Material	UV-Stable White ABS
Operating Temperature	-40° C to 85° C (-40° F to 185° F)
RoHS Compliant	Yes

Wind Loading Data

Wind Speed (MPH)	Loading
100	23.5 lb.
125	36.2 lb.

Typical Radiation Patterns

