



### 806-960 MHz, 1710-2500 MHz ANTENNA

The LP series antennas from Laird are ultra wideband log periodic antennas which cover a very wide frequency range. Because it covers both cellular and WLAN worldwide frequencies, it is very useful for CPE equipment and base station equipment needed for these frequency bands, minimizing the amount of equipment needed for each service location. The LP series can be used indoors or outdoors. It comes complete with all components needed for pole mounting or wall mounting. The sealed housing is UV stabilized ABS plastic. The backplate is stainless steel with stainless steel fasteners. All bracket components are stainless steel for corrosion protection. The pigtail is 18 inch outdoor rated cable terminated with an N female connector standard. Other connector/cable configurations available upon request.

### FEATURES

- Covers both cellular and WLAN frequencies
- Consistent 9 dBi gain across all frequencies
- Pole mount or wall mount
- Light gray attractive UV protected housing
- Vertical or horizontal polarization
- DC grounded for lightning protection

### MARKETS

- Cellular / WLAN repeaters
- WISP equipment
- Indoor cellular / WLAN extenders
- Non-line of sight

| PARAMETER                              | MIN                                 | TYP   | MAX       | UNITS   |
|----------------------------------------|-------------------------------------|-------|-----------|---------|
| Frequency Range                        | 806-960                             |       | 1710-2500 | MHz     |
| VSWR                                   |                                     | 1.5:1 |           |         |
| Impedance                              |                                     | 50    |           | OHM     |
| Input Power                            |                                     |       | 50        | W       |
| Operating Temperature                  | -45                                 |       | +70       | Deg C   |
| Gain                                   |                                     | 9     |           | dBi     |
| 3 dB Beam Angle (E-Plane)              |                                     | 55    |           | Deg     |
| 3 dB Beam Angle (H-Plane)<br>806-960   |                                     | 90    |           | Deg     |
| 3 dB Beam Angle (H-Plane)<br>1710-2500 |                                     | 75    |           | Deg     |
| Front to Back                          | 23                                  |       |           | dB      |
| Pole Size                              |                                     |       | 1.7       | in      |
| Weight                                 | 1.5 (.7)                            |       |           | Lb (kg) |
| Outside Dim (L x W x H)                | 15.5 x 10.5 x 2.75 (394 x 267 x 70) |       |           | in (mm) |

| WIND LOADING | 100 MPH | 125 MPH | 100 MPH WITH ½ IN RADIAL ICE |
|--------------|---------|---------|------------------------------|
| Force (lbs)  | 18.8    | 29.3    | 29.5                         |

Americas: +1.847.839.6907  
IAS-AmericasEastSales@lairdtech.com

Europe: +44.1628.858941  
IAS-EUSales@lairdtech.com

Asia: +86.21.5855.0827.127  
IAS-AsiaSales@lairdtech.com

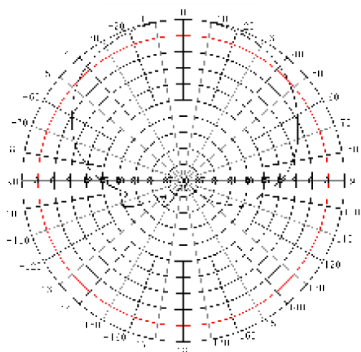
[www.lairdtech.com](http://www.lairdtech.com)

Laird warrants to the original end user customer of its products that its products are free from defects in material and workmanship. Subject to conditions and limitations Laird will, at its option, either repair or replace any part of its products that prove defective by reason of improper workmanship or materials. This limited warranty is in force for the useful lifetime of the original end product into which the Laird product is installed. Useful lifetime of the original end product may vary but is not to exceed five (5) years from the original date of the end product purchase.

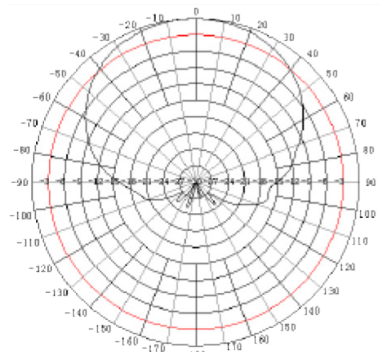


# LP800-2500-9-NF

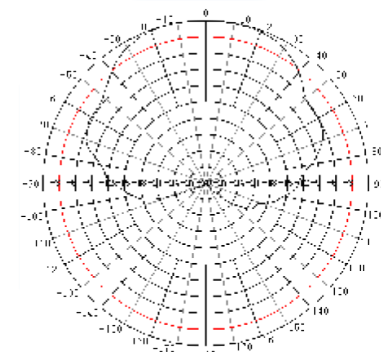
## Log Periodic Dual-Band Antenna



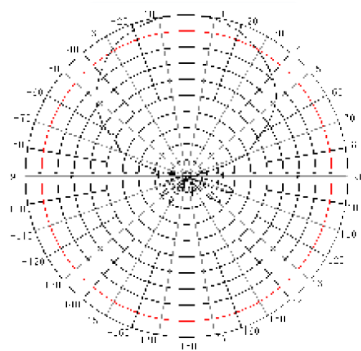
**890 MHz  
H-Plane**



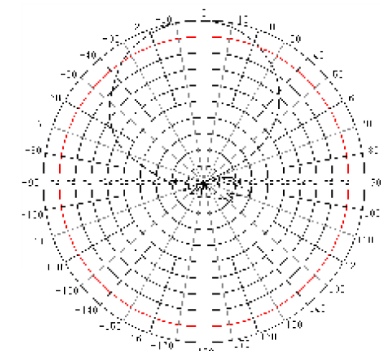
**1800 MHz  
H-Plane**



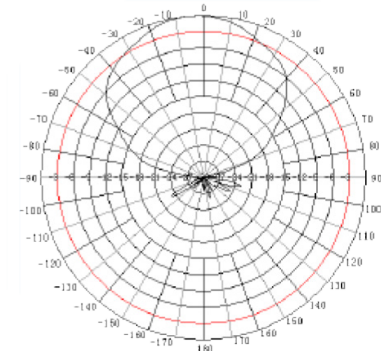
**2400 MHz  
H-Plane**



**890 MHz  
E-Plane**



**1800 MHz  
E-Plane**



**2400 MHz  
E-Plane**

ANT-DS-LP800-2500-9-NF 0715

Any information furnished by Laird Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird materials rests with the end user, since Laird and its agents cannot be aware of all potential uses. Laird makes no warranties as to the fitness, merchantability or suitability of any Laird materials or products for any specific or general uses. Laird shall not be liable for incidental or consequential damages of any kind. All Laird products are sold pursuant to the Laird Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2015 Laird Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Logo, and other marks are trade marks or registered trade marks of Laird Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird or any third party intellectual property rights.

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)

[www.lifeelectronics.ru](http://www.lifeelectronics.ru)