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Log Periodic Dual Band Antenna 806-960MHz, 1710-2500MHz

The LP series antennas from Laird Technologies are ultra wideband log periodic antennas which cover a very wide frequency range. Because it covers both cellular and WiFi 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" outdoor rated cable terminated with an N female connector standard. Other connector/cable configurations available upon request.

Features and Benefits:

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

Applications

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

For sales information:

Telephone 801-572-3024

E-Mail sales@pacwireless.com

or visit: www.pacwireless.com

Specifications

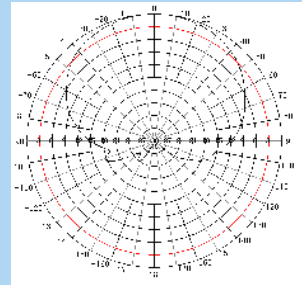
| Parameter | Min | Typ | Max | Units |
|---------------------------------------|---|-------|-----------|---------|
| Frequency Range | 806-960 | | 1710-2500 | MHz |
| VSWR | | 1.5:1 | | |
| Impedance | | 50 | | OHM |
| Input Power | | | 50 | W |
| Operating Temperature | -45 | | +70 | Deg C |
| Gain | | 9 | | dBi |
| 3dB Beam Angle (E-Plane) | | 55 | | Deg |
| 3dB Beam Angle (H-Plane) 806-960 | | 90 | | Deg |
| 3dB Beam Angle (H-Plane) 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 | 100MPH | 125MPH | 100MPH with 1/2" Radial Ice |
|--------------|--------|--------|-----------------------------|
| Force (Lbs) | 18.8 | 29.3 | 29.5 |

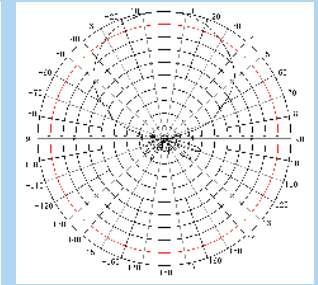
System Ordering:

LP800-2500-9-NF 806MHz-960MHz, 1710MHz-2500MHz Dual Band 9dBi Gain Antenna

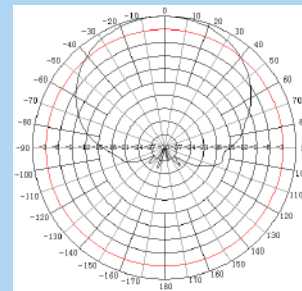
Antenna Patterns



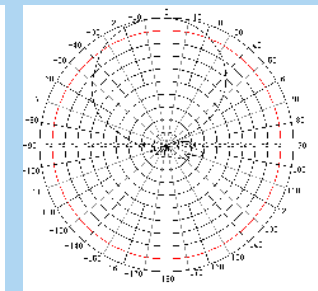
890 MHz
H-Plane



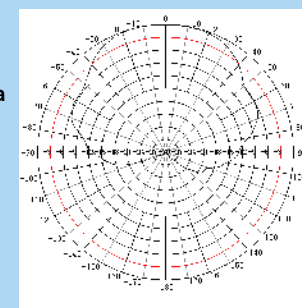
890 MHz
E-Plane



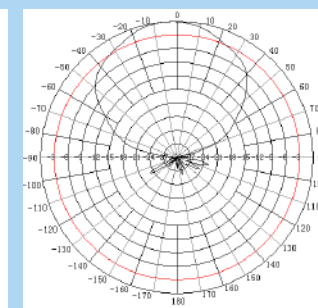
1800 MHz
H-Plane



1800 MHz
E-Plane



2400 MHz
H-Plane



2400 MHz
E-Plane

Notes:

- All shipments F.O.B. Schaumburg, IL 60173
- All antennas carry a 2 Year Warranty

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Specifications subject to change without notice.



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