



ANTENNA EXPERTS

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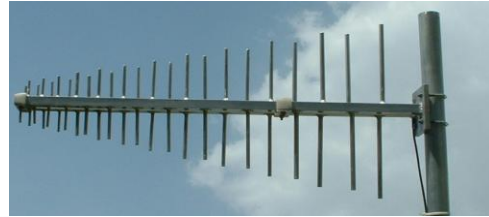
LP-400-3000

400 – 3000 MHz.

9 dBi. Gain

MULTI BAND LOG PERIODIC ANTENNA

Design Features: The LP-400-3000 multi band log periodic antenna is designed to provide wideband directional transmission/reception of radio signals from 400 to 3000 MHz bands. The compact size of the log periodic antenna allows easy handling and specially designed mounting arrangement results in fast installation.



Constructions: The multi band log periodic antenna is supplied complete in assembled condition. The log periodic antenna operates at D.C. ground with low resistance discharge path for protection against lightning and for immunity to noise. Output of log periodic antenna is provided via one 50 Ohms coaxial cable at the back end of the antenna boom. This log periodic dipole antenna system has particular suitable for Tx/Rx or monitoring purpose. All the screws, nuts and bolts of log periodic dipole antenna are made of stainless steel.

| ELECTRICAL SPECIFICATIONS: | |
|--------------------------------------|------------------------------|
| Frequency Range | 400 - 3000 MHz. |
| Gain | 9 dBi. |
| Bandwidth | Entire Band |
| Polarization | Vertical or Horizontal |
| Input Impedance | 50 Ohms |
| Radiation Pattern | Directional |
| Beam width – Half Power Points | 55 Degrees (Horizontal) |
| Front to Back Ratio | 17 dB. |
| VSWR | 2:1 |
| RF Power Handling Capacity | 250 Watts |
| Input Termination | N-Female |
| Lightning Protection | Direct Ground |
| MECHANICAL SPECIFICATIONS: | |
| Materials | All Aluminum |
| Mounting Hardware -Materials | Stainless Steel |
| Wind Rating | 200 Km/Hr. |
| Overall Length | 550 mm |
| Overall Width | 360 mm |
| Shipping Length | 660 mm |
| Support Boom - Materials | Aluminum - Square Tube |
| Elements - Materials | Aluminum - Round Rod |
| Insulator Materials | Nylon & Teflon |
| Mounting Clamps Position | At the back end of antenna |
| Maximum Mount Pipe Diameter | 51 mm (2 Inches) |
| Gross Weight | 3 Kgs. |
| ENVIRONMENTAL SPECIFICATIONS: | |
| Operating Temperature | (-)30 to +70 Degrees Celsius |
| Storage Temperature | (-)40 to +80 Degrees Celsius |
| Humidity | 0 to 95% RH |