

Log Periodic 11 element 45MHz - 72MHz High Performance



Log Periodic 11 element 45MHz - 72MHz High Performance LPDA - Professional Series

Rating: Not Rated Yet

Price

Sales price £420.00

Sales price without tax £350.00

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Manufacturer [InnovAntennas](#)

Description

Prices 20% less for customers outside of EU - CUSTOM LPDA DESIGNS AVAILABLE UPON REQUEST

A Super Wide Band, High Performance Log Periodic Dipole Array - 45MHz to 72MHz inclusive

Most LPDA's on the market today are very old designs. In fact many were developed using the 'cut and try' methods of optimisation where real world adjustments are made to an antenna and then tests are conducted on a range. This is not the best way to get the most from any antenna, let alone a directional antenna as complex as a LPDA, especially very wide band examples that need to provide constant levels of performance over a wide range of frequencies. The best method of achieving results is to use the [very latest computer optimisation](#) methods available today. Enter the InnovAntennas High Performance Log Periodic! With the InnovAntennas HP-LPDA for commercial applications, even weak (DX)

stations can be received with ease, no matter where, within the 27MHz spread they fall. Take a look at the rolling performance plots below and see how constant the produced gain of this LPDA can be.

High Performance Log Periodic Dipole Arrays by InnovAntennas and why they will suit your needs

The TVDX-11 is one of 3 brand new Log periodic designs by InnovAntennas. These arrays have been designed to be strong, light weight and most important of all, to give unparalleled performance from a low-profile package for portable commercial use. Many directional antennas provide good gain and F/B that is OK but usually there is a compromise. If the antenna is 2 dimensional (uses one reflector for example rather than multiple reflectors) the antenna can provide broadband performance but F/B will suffer. Some antennas provide good F/B but at the cost of high visual impact through large reflector arrays. The TVDX-11 provides all the benefits of the concentrated element array with multiple reflectors in a single-plane, low-profile and light weight package.

In addition to the superior electromagnetic design, as with all antennas by InnovAntennas, build is of the highest quality with marine grade stainless steel being used throughout. For the very best in performance and build quality you only need to remember one name, InnovAntennas!

Some of the Mechanical design benefits include:

1. **Marine grade Stainless Steel Fittings***
2. **Integrated feed-line/boom for maximum efficiency, minimum wind-load**
3. **Mill finished for highest levels of accuracy and performance**

If you are looking for the best of the best from both a performance and mechanical construction perspective then look no further, you have come to the right place!

Customer Comment:

'It performs like nothing I've ever seen. In the USA, we have some 3000 watt TV stations that broadcast FM audio on 87.75. There are 3 of them within 375 miles of me and with this antenna, I have heard them all! The gain and directivity far exceed the APS-13 that I took down. Somehow the word "amazing" doesn't do this justice.'

Performance

Typical Gain: 9.5dBi

Typical F/B: 33dB

Gain at 10m (33') above ground: 15.58dBi

Power Rating: 3kw

Feed Impedance: 50 Ohm

Boom Length: 4.1m - 13'5"

Weight: 8Kg / 22LB

Turning Radius: 1.903m / 6.24ft

Wind Loading: 0.02 Square Metres / 0.56 Square feet

Wind Survival: 150PH / 90MPH

If you wish to stack several antennas, contact us for more information

Specification

This antenna has all elements made from 1/2 inch aluminium thick wall tube. The parasitic elements are also 1/2 inch. All elements are electrically connected to the boom held in place by marine grade stainless steel components.

The boom is 3/4" **inch square (19.05mm)** which is in 3 sections. two sections of boom form the feedline and antenna element support, the third section provides a boom support truss.

If you want an antenna to last and perform in all weathers without SWR or bandwidth shifting, this is it.

Manufactured the right way, not the cheapest way!

* Where possible marine grade stainless steel components are used.