

Band Optimised Log Periodic Dipole Array 14MHz to 30MHz - by G0KSC



High Performance (Ham) Band optimised Log Periodic Dipole Array 14MHz to 30MHz Premier performance - from The Leading LPDA Antenna Provider

Rating: Not Rated Yet

Price

Sales price £1,295.00

Sales price without tax £1,079.17

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Manufacturer [InnovAntennas](#)

Description

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

BOLPA-10 A Super Wide Band, High Performance Log Periodic Dipole Array (LPDA) - 14MHz to 30MHz Optimised for all Ham Bands Just 7.7m long!

All InnovAntennas LPDA's are design using the very latest computer optimisation techniques and are largely designed and built to order although examples such as this Band Optimised Log Periodic Dipole Array (BOLPA) which has had its performance highly optimised within the ham bands in order performance is not characteristic of a typical LPDA.

The BOLPA-10 has 10 elements placed within a twin-boom/dual feedline boom setup where 2 x 1.75" square booms double as the feedlines and booms. The feed point is 50Ohm so a simple choke balun can be installed between coax cable and the antenna for an easy installation.

The BOLPA-10 provides excellent, consistent results for the frequency range it covers and the relatively limited number of elements installed upon its very short boom. For more details on this or other Log Periodic developments, contact us directly now on our sales lines or via Email sales 'at' innovantennas .com

OUTSTANDING RESULTS FROM THIS STUNNING NEW DESIGN for 2017!!

Our customers quote SWR figures not extending beyond 1.3:1 for any of the given ham bands. In addition, exceptional level of Forward Gain and Front to Back ratio (F/B) are seen due to the way in which the BOLPA-10 is designed.

WHY DOES THE BOLPA-10 WORK SO WELL?

Log Periodic Arrays are generally produced by means of a calculator rather than being band specifically optimised and therefore, performance and SWR curves vary greatly through their range and optimum performance is hit and miss as a result. The InnovAntennas BOLPA-10 has had hundreds of hours spent optimising both SWR and Performance within the Ham Radio designated band sections which has resulted in exceptional mono-band style performance.

SDR READY ANTENNA, 6 BAND SIMULTANEOUS PERFORMANCE!

The BOLPA-10 has all-bands-active at anyone time so will compliment the most sophisticated SDR Tranceivers, with up to 6 slices on 6 different bands (20m, 17m, 15m, 12m, 11m, 10m) all at the same time. With the right equipment, you can even transmit on one of these bands while listening on the other 5 bands at the same time!

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**
4. **First-of-kind 'Band Optimised' LPDAs by G0KSC**



The BOLPA-10 installed and ready for use



The Twin-boom feedline of the BOLPA-10 can easily be seen in this image

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 from SJR Service, our dealer in Sweden:

'My customer with the LPDA has sent me this info:

SWR:

20m 1:1

17m 1:1

15m 1:1

12m 1:3

10m 1:1

He says he should have bough this antenna years ago!

Performance

Typical Gain: 6.9 - 7.5dBi

Typical F/B: 20dB+

Gain at 10m (33') above ground @ 14.150MHz: 11.56dBi

Power Rating: 5kw

Feed Impedance: 50Ohm

Boom Length: 7.7m

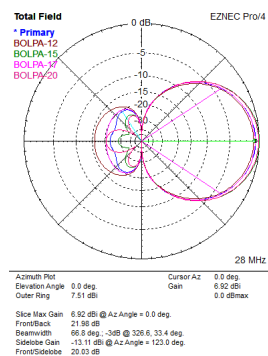
Weight: 28Kg / 62LB

Turning Radius: 5.13m

Wind Loading: Upon Application

Wind Survival: 160KPH / 100MPH - Higher rated versions available upon request

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



Over-lay plots on 20 through to 10m. F/B 16dB on 12m, all other bands, 20+dB

Specification

This antenna has all elements made from 1.25 inch aluminium thick wall tube (largest element) tapering down to 3/8".

The boom is 1.5" **inch square (32mm)** 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.