

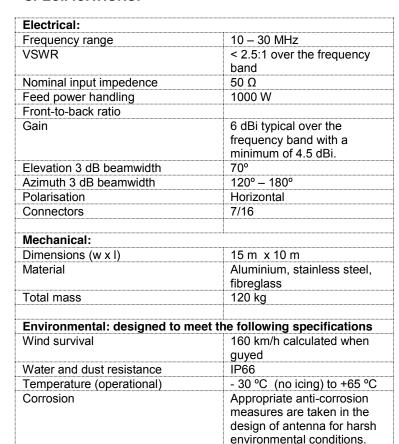
VERSION: 3.5

HF Log Periodic Antenna

10 - 30 MHz

Product Code: LPDA-A0048

SPECIFICATIONS:





- HF frequency 10 MHz to 30 MHz
- Low VSWR
- Gain of typically 6 dBi over 90% of the band
- Rugged construction and compact packaging
- Easy to assemble and disassemble
- Also configured for fixed applications

PRODUCT APPLICATIONS:

- Wideband monitoring
- HF jamming

PRODUCT DESCRIPTION:

The LPDA-A0048 is a directional log-periodic dipole array (LPDA) designed for EW monitoring and jamming applications. It covers the 10 MHz to 30 MHz frequency band with a typical gain of 6 dBi.

This antenna is supplied with a boom that breaks into three sections. All the elements are also removable with the longer ones being in sections as well so that they can be stored in a roll-up canvas bag for compact storage. The antenna can be assembled and erected by two people. For fixed installations the boom and elements can be configured for permanent erection. This antenna can be customised if required for different frequency ranges.



Updated 2015-05-11

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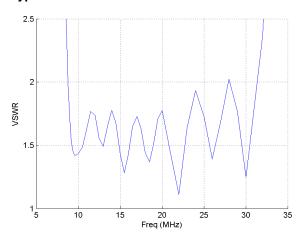
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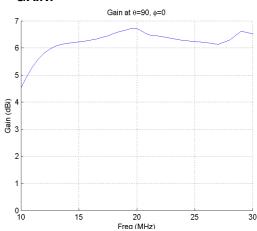
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VSWR AND GAIN GRAPHS:

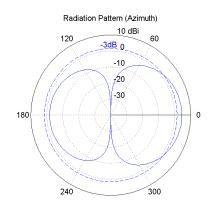
Typical VSWR:



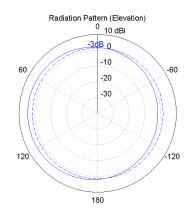
GAIN:



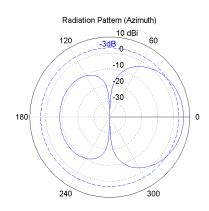
E-plane plot at 10 MHz:



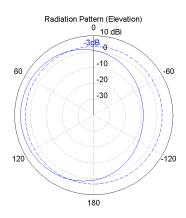
H-plane plot at 10 MHz:



E-plane plot at 15 MHz:



H-plane plot at 15 MHz:



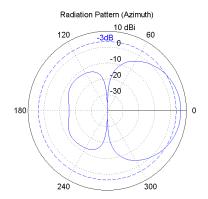


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E-plane plot at 30 MHz:



H-plane plot at 30 MHz:

