

Wideband Log Periodic Dipole Array

80 – 2000 MHz

Product Code: LPDA-A0016

PRODUCT STATUS: COTS
VERSION: 1.0



PRODUCT FEATURES:

- High gain.
- Low and stable VSWR.
- Vertical or horizontal polarization.
- Wide frequency range.
- Easy to assemble.
- Elements fit neatly into a carry bag.
- Stylish and rugged design.
- Balanced feed point.

SPECIFICATIONS:

Frequency range	80 – 2000 MHz
VSWR	< 2.5 : 1
Feed power handling	300 W
Nominal input impedance	50 Ω
Connector	N-Type female
Gain	7 dBi
E-plane 3 dB beamwidth	60°
H-plane 3 dB beamwidth	110°
Polarisation	Linear (Vertical or Horizontal)
Mechanical:	
Dimensions (l x w)	2200 mm x 2000 mm
Weight	8.5 kg including bracket, 6.0 excluding bracket
Material	Aluminium, Stainless Steel and Tufnol
Mounting method	Bracket for 50 – 100 mm poles
Environmental :	
Wind survival	160 km/h
Temperature operational	– 20° C to + 55° C

PRODUCT DESCRIPTION:

The 80 MHz - 2 GHz log periodic dipole array (LPDA) is a general purpose wideband transmitting and receiving antenna. It can be used as a spectrum monitoring antenna. It is also used for EMC emission and susceptibility testing.

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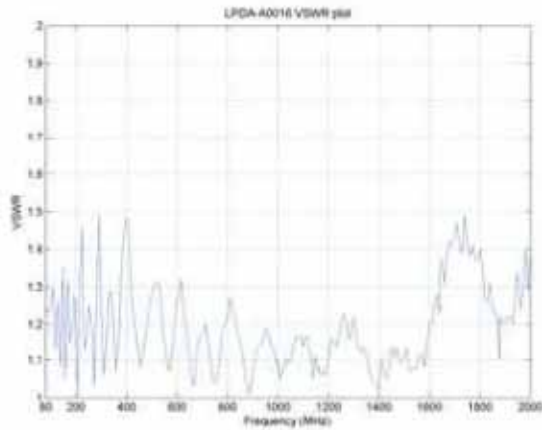
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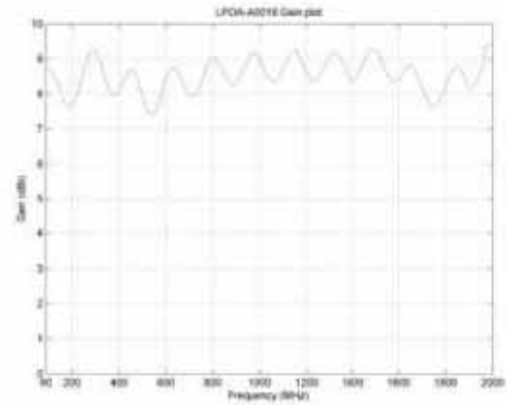
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VSWR, GAIN GRAPHS AND RADIATION PATTERNS:

VSWR

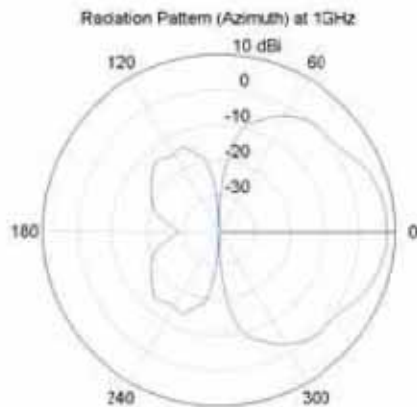


Gain

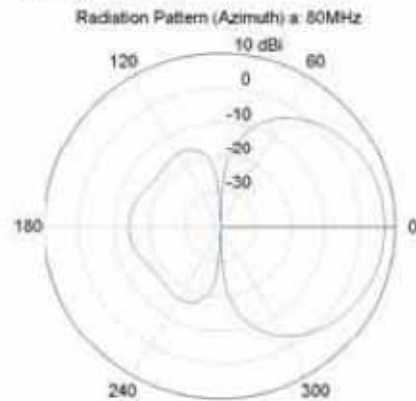


Radiation Patterns:

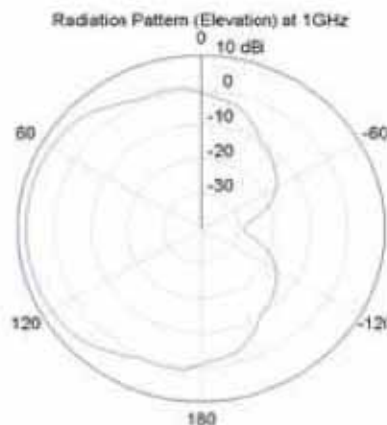
E-Plane



E-Plane



H-Plane



H-Plane

