



**SPECIFICATIONS:**

<b>Electrical:</b>	
Frequency range	2 - 30 MHz
VSWR	< 2.5:1
Feed power handling	1 kW CW
Front to Back (F/B ratio)	15 – 25 dB (± 3 dB)
Nominal input impedance	50 Ω
Connector	N-Type female
Gain (max)	12 dBi (± 0.5 dB)
Gain (min over the band)	10 dBi (± 0.5 dB)
E-plane 3 dB beamwidth	60° - 80° (± 5°)
H-plane 3 dB beamwidth	25° - 50° (± 5°)
Polarisation	Horizontal
<b>Mechanical:</b>	
Dimensions (l x w x h)	90 m x 80 m x 50 m
Weight	100 kg
Mounting method	Between two 50 m towers
<b>Environmental:</b>	
Wind loading	160 km/h
Temperature (operational)	- 30°C to + 70°C
Water ingress rating	IP 65 (NEMA 4X)

**PRODUCT FEATURES:**

- Covers the entire HF spectrum from 2-30 MHz
- 1 kW continuous power handling

**APPLICATIONS:**

- Directional Monitoring
- Jamming
- Skywave Communications Circuits

**PRODUCT DESCRIPTION:**

The LPDA-A0057 covers the entire HF spectrum down to 2 MHz with excellent gain and pattern. It is rated for 1 kW continuous power handling and is ideal for directional monitoring, jamming and fixed circuit communications requirements.



**AUTHORIZED USA  
DISTRIBUTION BY:**

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**DEFENCE AND  
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# HF Monitoring/Jamming LPDA

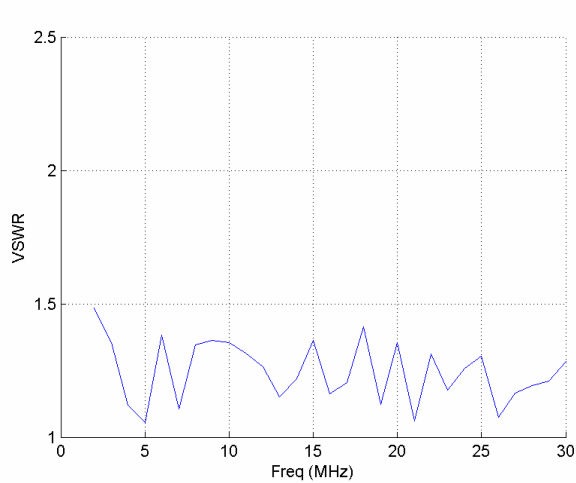
2 - 30 MHz

Product Code: LPDA-A0057

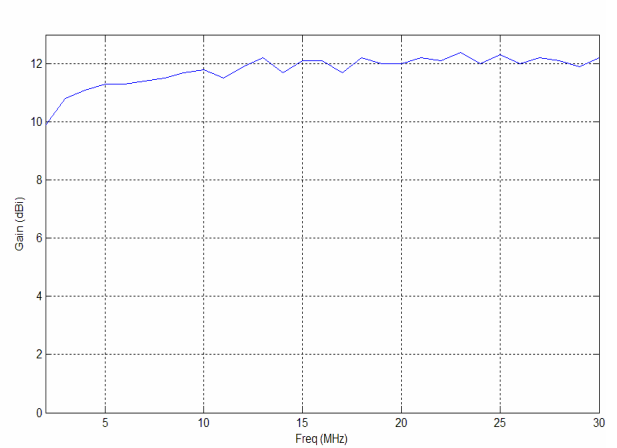
VERSION: 2.1

## VSWR AND GAIN GRAPHS

### VSWR

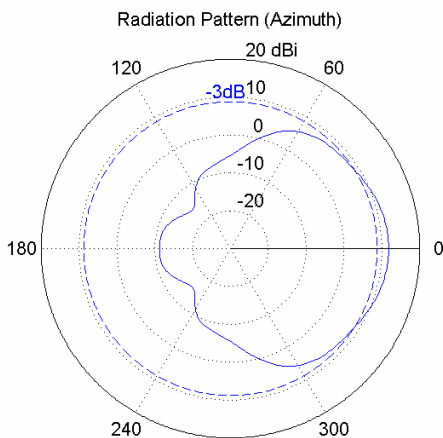


### Gain (over infinite perfect groundplane)

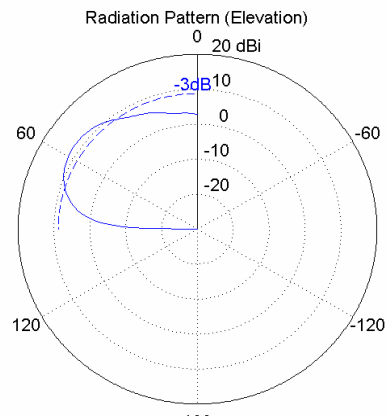


## Radiation Patterns (10 MHz)

### E-Plane



### H-Plane



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