

GAIN THE ADVANTA

VERSION: 1.6







High-Power Wire LPDA

100 – 500 MHz

Product Code: LPDA-A0094

SPECIFICATIONS:

LPDA-A0094 High-power product, 1000 W uses a 7/16 (f) connector LPDA-A0094-01 Low-power product, 500 W uses an N-type (f) connector Electrical: Frequency range 100 – 500 MHz VSWR < 2.5:1 Nominal input impedance 50 Ω Gain on horizon 6 dBi typical Elevation 3 dB beamwidth 60° Azimuth 3 dB beamwidth 60° Linear, adjustable vertical and horizontal Polarisation Linear, adjustable vertical and horizontal Mechanical: LPDA-A0094 LPDA-A0094-01 Connectors 7/16 (f) N-type (f) Feed power handling 1000 W 500 W Mechanical: Length: 2450 mm excl. mounting Width: 1800 mm Height: 200 mm Packed dimensions 12 kg Material Aluminium, fibreglass, stainless steel wire Mounting method Swivel bracket attached with U-bolts to mast. Quick removal system Forwardura metal: 420 km/h (without ice) Connectors 20 (no (inc)) to 21.00	Product versions:			
LPDA-A0094-01 N-type (f) connector Electrical: Frequency range 100 – 500 MHz VSWR < 2.5:1	LPDA-A0094			
Frequency range 100 – 500 MHz VSWR < 2.5:1	LPDA-A0094-01			
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VSWR < 2.5:1		400 500 MU		
Nominal input impedance 50 Ω Gain on horizon 6 dBi typical Elevation 3 dB beamwidth 60° Azimuth 3 dB beamwidth 110° Polarisation Linear, adjustable vertical and horizontal LPDA-A0094 LPDA-A0094-01 Connectors 7/16 (f) N-type (f) Feed power handling 1000 W 500 W Mechanical: Elength: 2450 mm excl. mounting Dimensions Length: 2450 mm excl. mounting Width: 1800 mm Height: 200 mm Packed dimensions 12 kg Material Aluminium, fibreglass, stainless steel wire Mounting method Swivel bracket attached with U-bolts to mast. Quick removal system Environmental: designed to meet the following specifications Wind survival 120 km/h (without ice)				
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Wind survival 120 km/h (without ice)	Mounting method			
Wind survival 120 km/h (without ice)	Environmental: designed to meet the following specifications			
= -30 °C (no 10 mom) to +71 °C	Temperature range		-30 °C (no icing) to +71 °C	

PRODUCT DESCRIPTION:

The LPDA-A0094 is a directional log-periodic dipole array that covers the frequency band 100 to 500 MHz up to 1 kW of feed power with a typical gain of 6 dBi.

Polarisation is adjustable between vertical and horizontal via the mounting bracket.

The wire construction of this antenna makes it lightweight and allows for very compact storage. It is easy to collapse the antenna and break off any accumulated ice.

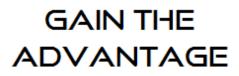
PRODUCT FEATURES:

- Low VSWR and high gain over the frequency band
- High feed power handling up to 1 kW
- Vertical and horizontal polarisation
- Quick deployment
- Compact storage

*U.S. Patent No. 8,698,693 B2

*ZA Patent No. 2011/01866

sales@alaris.co.za www.alarisantennas.com



Updated 2022-09-15

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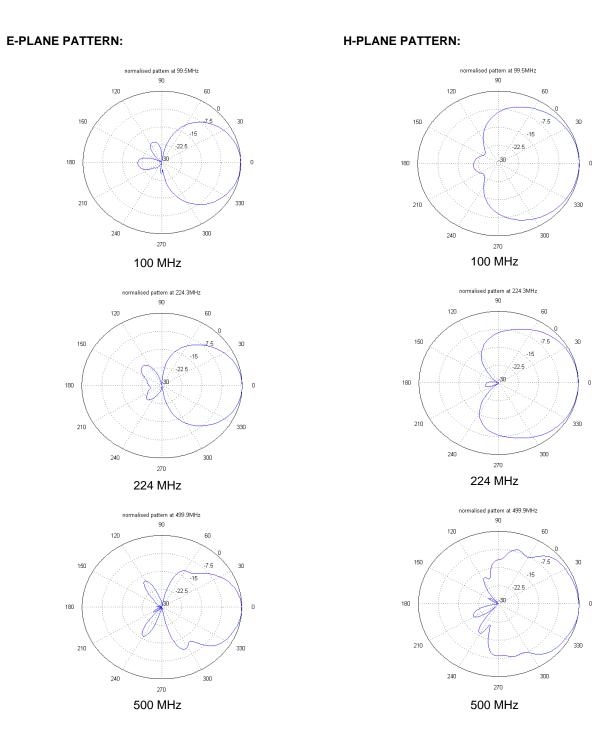
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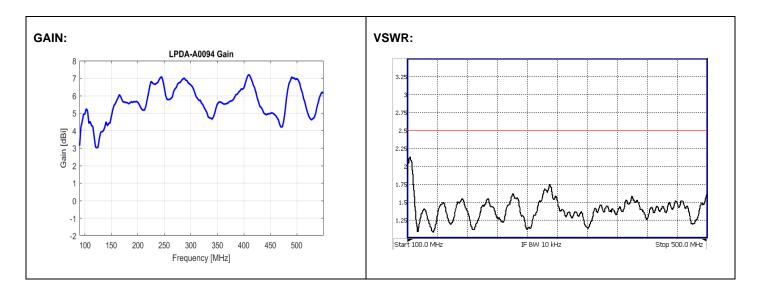
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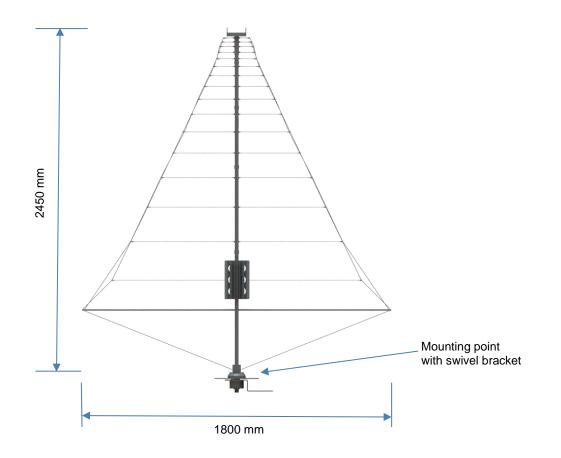
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