

## Wideband LPDA Antenna Model No.: SRFS- LPDA-A0038

### Product Description

The LPDA-A0038 is a directional log-periodic dipole array primarily designed for EW monitoring applications. It covers the 500 to 3000 MHz with a typical gain of 10 dBi over the frequency band. The polarization is adjustable between vertical and horizontal without lowering the mast via a swivel mounting bracket.

### Product Features

- Wideband frequency coverage from 500 to 3000 MHz
- Low VSWR
- High gain of typically 10 dBi over the band
- Solid construction
- Compact storage

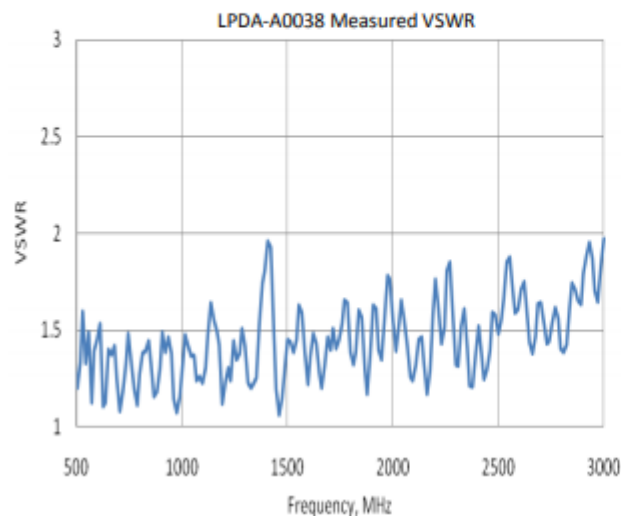


Electrical Specifications	
Frequency range	500 – 3000 MHz
VSWR	1.5:1 typical, < 2:1 over 90% of the band
Nominal input impedance	50 Ω
Feed power handling	500 W CW 500 – 1000 MHz rolling off to 200 W from 1000 – 3000 MHz
Gain	10 dBi typical
E-plane 3 dB beamwidth	50° typical
H-plane 3 dB beamwidth	60° typical
Polarization	Adjustable (vertical and horizontal)
Ground plane	Not required
Mechanical Specifications	
Dimensions (w x l) mm	311 mm x 1802 mm
Weight	7 kg
Material	Aluminium, stainless steel, fibreglass
Mounting method	U-bolts supplied for 60 – 100 mm masts
Environmental Specifications	
Temperature	-30 °C to +65 °C
Wind survival	160 km/h (calculated)

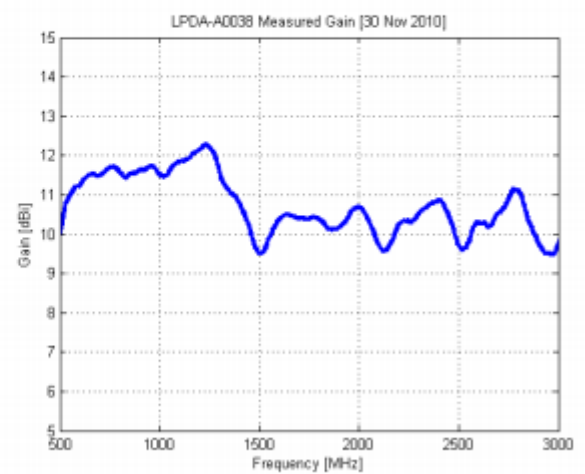
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### VSWR AND GAIN GRAPHS:

#### Typical VSWR:

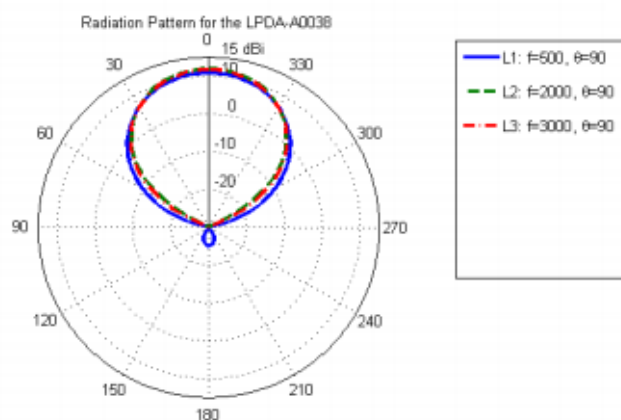


#### GAIN:



### PATTERNS:

#### E-PLANE PATTERN:



#### H-PLANE PATTERN:

