

Wideband LPDA Antenna Model no.: SRFS- LPDA-A0036

Product Description

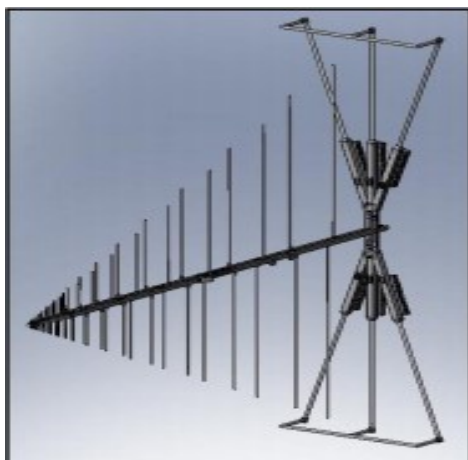
The LPDA-A0036 is a directional log-periodic dipole array that covers the 20 to 3000 MHz frequency band.

The high-power versions of the antenna are intended for high power applications.

The antenna exhibits a typical gain of 6 dBi over 90% of the band with the polarization adjustable between vertical and horizontal via a swivel mounting bracket

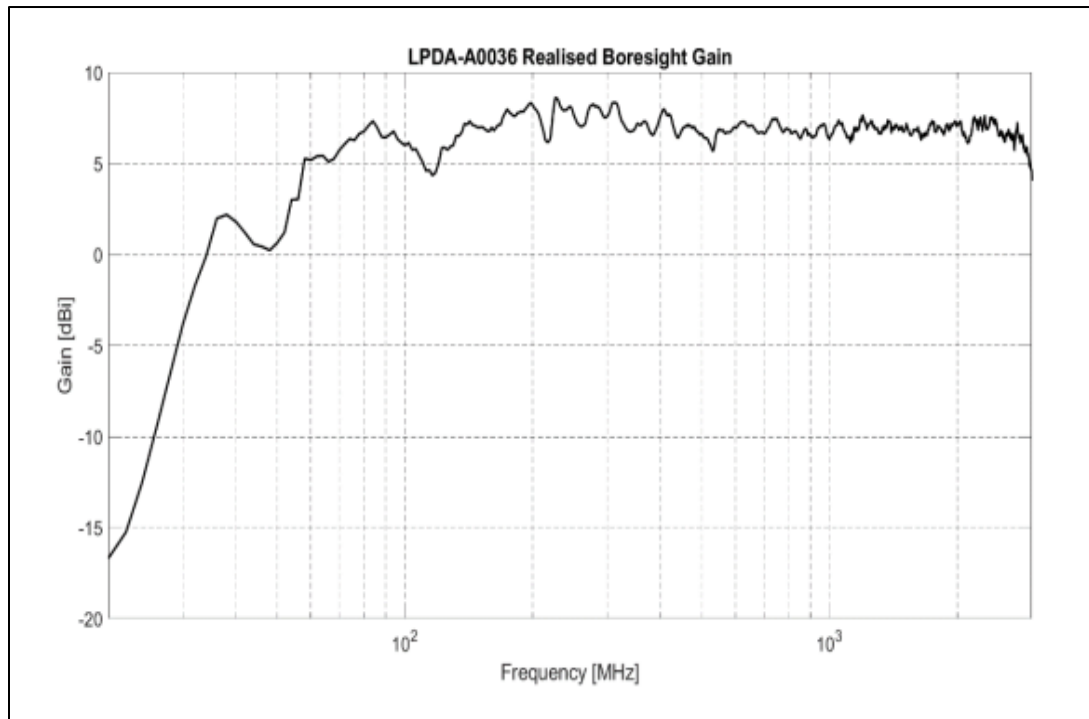
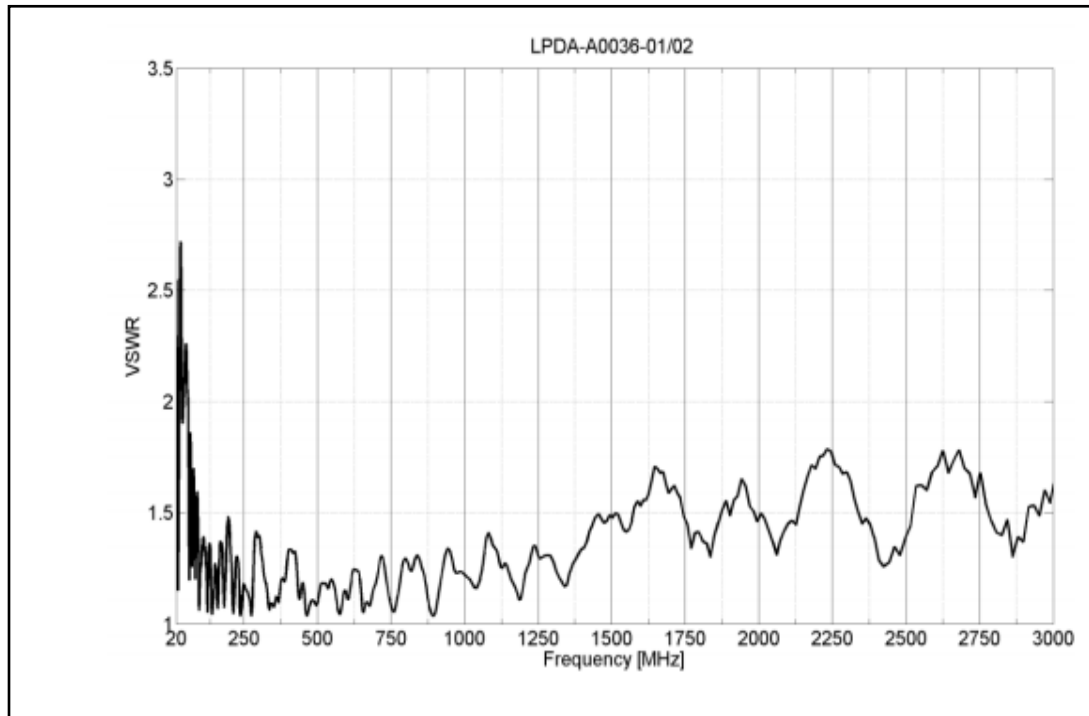
PRODUCT FEATURES:

- Low VSWR and high gain
- High-power handling
- Vertical and horizontal polarization
- Easy to assemble and disassemble
- Rugged construction

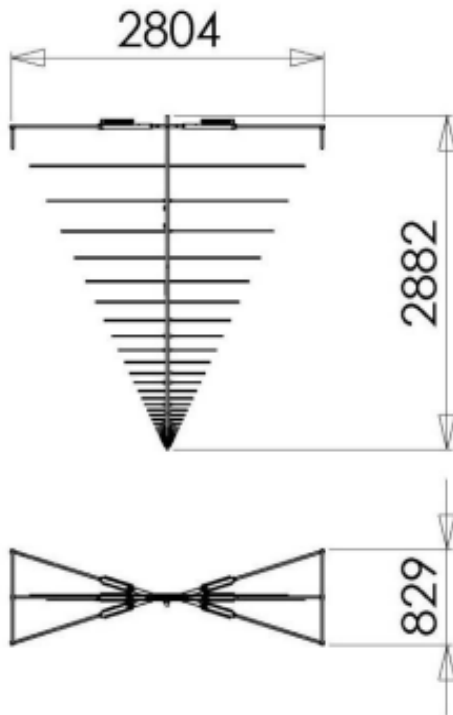


Electrical Specifications	
Frequency range	20 – 3000 MHz
VSWR	LPDA-A0036-01/-02/-05: < 3.0:1 over 95% of the band LPDA-A0036-03: < 10.0:1 up to 60 MHz < 2.5:1 from 60 – 3000 MHz
Nominal input impedance	50 Ω
Connector	7/16 female
Gain on horizon	6 dBi typical
E-plane 3 dB beamwidth	60° typical
H-plane 3 dB beamwidth	110° typical
Polarization	Adjustable (vertical or horizontal)
Mechanical Specifications	
Dimensions (w x l)	2882 mm x 2804 mm x 829 mm
Material	Aluminium, stainless steel, fibre glass
Mounting method	On a swivel bracket fitted to the mast (requires isolation pole to change polarization which is standard issue)
Packaging	Transportable bag or crate
MTBF	100,000 h
Environmental Specifications	
Wind survival	160 km/h (calculated)
Temperature (operational)	-31 °C to +55 °C (ambient temperature)
LPDA-A0036-01/-02-05	
LPDA-A0036-03	-31 °C to +71 °C (ambient)
Water and dust resistance	IP56

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DIMENSIONS:



POWER HANDLING:

