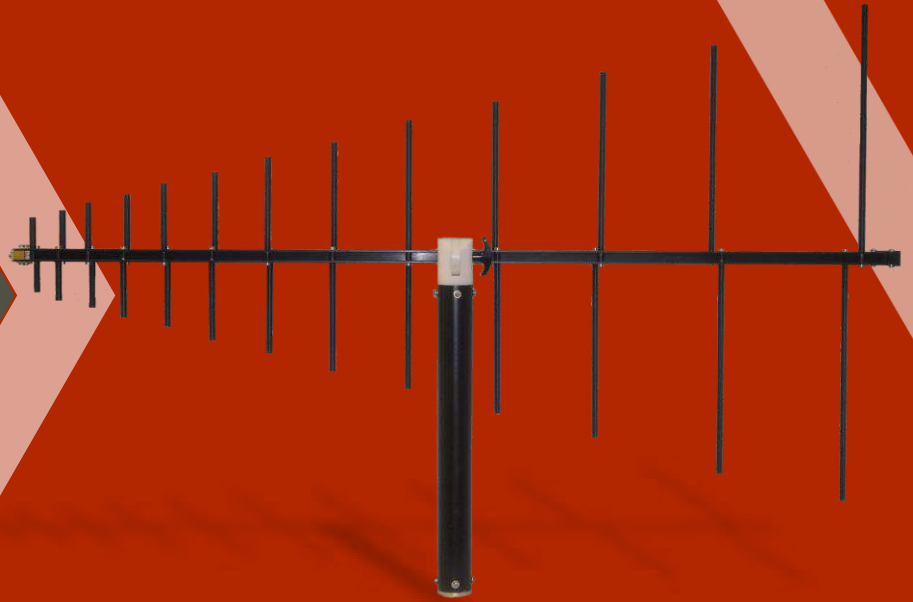




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LPD FIXED SITE ANTENNA SERIES



The ARA series of linearly-polarized log-periodic antennas are suited for fixed site testing or monitoring applications. These antennas are designed for high efficiency, broad bandwidth, and rugged construction for outdoor use. The antennas are primarily manufactured of aircraft grade aluminum and supplied with a gold iridite finish for environmental protection. Additional protection in the form of epoxy paint or an anodized finish are available per request.

The data described herein is subject to licensing under the International Traffic Arms Regulations (ITAR) 22 CFR Parts 120-130. This data sheet has been released into the public domain in accordance with these regulations.

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FEATURES

- Broadband Frequency Coverage
- Superior RF Performance
- High Efficiency Antennas
- Rugged Design
- Made in the USA 

Configurations and Specifications

	Gain	Frequency	VSWR	Beamwidth (Nominal)	Power Handling	Antenna Connectors	Storage	Dimensions	Weight
LPD-2100-C	6 dBi	20 to 1000 MHz	2.0:1 Typical	75° E-Plane 120° H-Plane	300 W CW	N-Type Female	2 Nylon Bags: 12" Diameter x 7' Long and 12 " Diameter x 11' Long	27' x 27'	Antenna Only: 160 lbs Mast: 100 lbs
LPD-310/A	6 dBi	30 to 100 MHz	2.0:1 Nominal	75° E-Plane 120° H-Plane	2400 W CW	7/16 DIN or N-Type Female	Center Mast Mount for 3" Diameter Pipe	145" Long x 200" Wide	45.5 lbs (20.6 kg)
LPD-350-101	6 dBi	30 to 500 MHz	2.0:1 Nominal	75° E-Plane 120° H-Plane	500 W CW	N-Type Female	Center Mount for Optional 3" Diameter Mast	204" Long x 198" Wide	85 lbs (39 kg)
LPD-3100-101	6 dBi	30 to 1000 MHz	2.0:1 Nominal	75° E-Plane 120° H-Plane	300 W CW	N-Type Female	Center Mount for Optional 3" Diameter Mast	204" Long x 198" Wide	85 lbs (39 kg)
LPD-8130-A1	6.5 dBi	80 to 1300 MHz	2.5:1 Nominal	75° E-Plane 120° H-Plane	1500 W CW	N-Type Female	Center Mount Mast with Adjustable Polarization	64" Long x 77" Wide	15 lbs (6.8 kg)
LPD-2020/A	6 dBi	200 to 2000 MHz	2.0:1 Nominal	75° E-Plane 120° H-Plane	250 W CW	N-Type Female	Center Mount Mast with Adjustable Polarization	46" Long x 30" Wide	5 lbs (2.4 kg)
LPD-2050	7 dBi	225 to 450 MHz	2.0:1 Nominal	75° E-Plane 120° H-Plane	100 W CW	N-Type Female	Rear Mount with U-Bolts to 2" Pipe	28" x 38"	5 lbs
LPD-3500	5 dBi	300 to 5000 MHz	2.5:1 Maximum	75° E-Plane 140° H-Plane	50 W CW	SMA Female	Center Mount Mast with Adjustable Polarization	19" Long x 20" Wide	1.5 lbs (0.7 kg)
LPD-820-101	7 dBi	800 to 2000 MHz	2.5:1 Maximum	70° E-Plane 110° H-Plane	100 W CW at 24,000 feet altitude	N-Type Female	Rear Mount Bolt Pattern	10.6" Long x 7.5" Wide	1.5 lbs (0.7 kg)
LPD-118*	7 dBi Nominal	1 to 18 GHz	2.0:1 Nominal	75° E-Plane 110° H-Plane	18 GHz: 5 W CW 12 GHz: 20 W CW	SMA-Type Female	N/A	8" x 9.5"	1 lb

*LPD-118-AN configuration has an N-Type Female connector.

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