

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 is available on request.

Features

- Broadband frequency coverage
- Superior RF performance
- High-efficiency antennas
- Rugged design
- Made in the USA



Configurations & Specifications:

	Gain	Frequency (MHz)	VSWR	Beamwidth (nominal)	Power Handling	Antenna Connectors	Storage	Dimensions	Weight
LPD-2100-C	6 dBi	20 to 1000	2.0:1 typical	75° E-plane 120° H-plane	300W CW	N-F	2 nylon bags 12" dia x 7' L 12" dia x 11' L	27' x 27'	Antenna only: 160 lbs Mast: 100 lbs
LPD-310/A	6 dBi	30 to 100	2.0:1 nominal	75° E-plane 120° H-plane	2400W CW	7/16 DIN or N-F	Center mast mount for 3" dia pipe	145" L x 200" W	45.5 lbs (20.6 kg)
LPD-350-101	6 dBi	30 to 500	2.0:1 nominal	75° E-plane 120° H-plane	500W CW	N-F	Center mast mount for 3" dia mast	204" L x 198" W	85 lbs (39 kg)
LPD-3100-101	6 dBi	30 to 1000	2.0:1 nominal	75° E-plane 120° H-plane	300W CW	N-F	Center mast mount for 3" dia mast	204" L x 198" W	85 lbs (39 kg)
LPD-8130-A1	6.5 dBi	80 to 1300	2.5:1 nominal	75° E-plane 120° H-plane	1500W CW	N-F	Center mast mount, adjustable pol	64" L x 77" W	15 lbs (6.8 kg)
LPD-2020/A	6 dBi	200 to 2000	2.0:1 nominal	75° E-plane 120° H-plane	250W CW	N-F	Center mast mount, adjustable pol	46" L x 30" W	5 lbs (2.4 kg)
LPD-2050	7 dBi	225 to 450	2.0:1 nominal	70° E-plane 110° H-plane	100W CW	N-F	Rear mount with U-Bolts to 2" pipe	28" x 38"	5 lbs (2.4 kg)
LPD-3500	5 dBi	300 to 5000	2.5:1 max	75° E-plane 140° H-plane	50W CW	SMA-F	Center mast mount, adjustable pol	19" L x 20" W	1.5 lbs (0.7 kg)
LPD-820-101	7 dBi	800 to 2000	2.5:1 max	70° E-plane 110° H-plane	100W CW at 24,000 ft altitude	N-F	Rear mount bolt pattern	10.6" L x 7.5" W	1.5 lbs (0.7 kg)
LPD-118*	7 dBi nominal	1000 to 18,000	2.0:1 nominal	70° E-plane 110° H-plane	18 GHz: 5W CW 12 GHz: 20W CW	SMA-F	N/A	8" x 9.5"	1 lb

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