



## 136-174 MHz Log Periodic Array Antenna

The LPA136174-6NF log periodic antenna has been engineered to meet the requirements of a high gain, broadband, premium quality antenna. This antenna provides broadband coverage over the entire 136-174MHz frequency range without the need for field tuning. The antenna is manufactured using high strength aluminum to withstand heavy ice, high wind and other harsh environmental conditions. The innovative mechanical design has an integral feed line that is protected from the environment and handling during install. The entire antenna is anodized for aesthetic appearance and corrosion resistance. A heavy-duty clamp is supplied which easily permits mounting to a vertical mast. The design allows for field assembly which enables shipping by common carrier.



LPA136174-6NF



### Features

- Elements and boom are manufactured from high quality aluminum for optimal strength
- Antenna is anodized for corrosion resistance
- Robust design that can be assembled in the field
- End-fed type N connector for ease of installation

### STANDARD CONFIGURATION

Model	Connector	Mount
LPA136174-6NF	N Female	Pipe mount included (1.625 - 4" OD)

### ELECTRICAL SPECIFICATIONS - RF ANTENNA

Frequency Range	Gain	VSWR	Azimuth Half Power Beamwidth	Elevation Half Power Beamwidth	Maximum Power	Nominal Impedance	Polarization
136-174 MHz	8.1 dBi/6 dBd	< 1.7	100°	45°	300 watts	50 ohms	Vertical, linear

### MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions	Weight	Radiator Material
57 L x 43 W x 5.5 D in (144.8 x 109.2 x 13.9 cm)	20 lbs	Aluminum

### MECHANICAL & ENVIRONMENTAL SPECIFICATIONS, continued

Rated Wind	Projected Flat Plate Area	Lateral Thrust @ Rated Wind	Bending Moment @ Rated Wind	Temperature Range
150 mph	1.22 ft <sup>2</sup>	90 lbf	426 ft-lbs	-40°C to +85°C