

S49016120PNF

5.0 GHz Directional Sector Antenna



VERTICAL POLARIZATION HIGH-PERFORMANCE 120° SECTOR ANTENNA

The Laird Technologies S49016120PNF antenna offers full frequency band coverage from 4.90 to 5.85 GHz, and is designed to provide wide angle directional coverage from a wall or mast mounting location. The antenna can also be used as part of a sectorized omni-directional base antenna with four antennas used to provide 360 degree coverage from the site. The antenna is enclosed in a rugged UV stable ASA radome designed to provide years of a trouble free service. Applications include any 802.11a enterprise access point system deployment including educational or industrial campuses, healthcare, and transportation terminals.

FEATURES

- Best in class f/b ratio
- Maximum null below the horizon
- Extraordinary low side lobe performance
- Rugged tilt mount hardware included
- Slim diminutive profile

MARKETS

- 802.11a enterprise access point
- Educational and industrial campuses, healthcare centers, and transportation terminal
- Optimized for MIMO space time processing
- Outstanding levels of antenna to antenna co-located isolation

global solutions: local support.™

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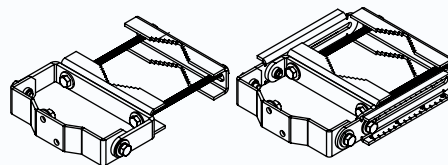
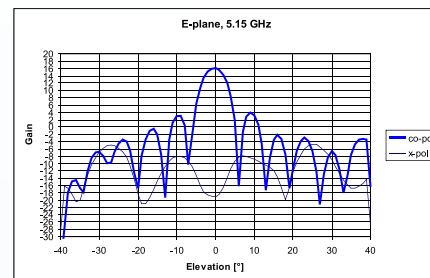
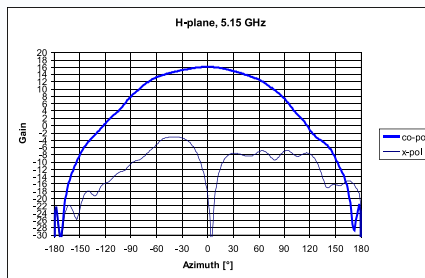
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PARAMETER	SPECIFICATIONS
Part Number	S49016120PNF
Frequency Range	4.90-5.85 GHz
Gain	15.5 dBi
Maximum VSWR	2.0:1
3dB Beamwidth-Elevation	5.5°
3dB Beamwidth-Azimuth	120° ±15°
Azimuth Sidelobes	ETSI EN 302.085 CS1
Polarization	Vertical
Lightning Protection	DC - Grounded
Minimum front-to-back isolation	25 dB
Maximum input power	20W average, 250W peak
Input Impedance	50 Ohm
Minimum cross-polarization	15 dB
Mechanical size	24.6" x 2.0" x 2.7"
Antenna Weight	1.95 lbs
Wind survival rating	operational 100 mph / survival 136 mph
Antenna connection	type N female
Radome	ASA light grey
Mount style	mast mount
Mounting hardware	15° tilt mount kit 1.5" to 3.5" dia.
Temperature	-40°C to +70°C



Mounting Kit: 957658

ANT-DS-S49016120PNF 0609

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