

# VERTICALLY POLARIZED SECTOR ANTENNAS

## SA9-120-13



### 860-960 MHz VERTICALLY POLARIZED SECTOR ANTENNA

The NLOS series sector antenna systems offered by Laird Technologies are constructed of a heavy duty aluminum extrusion and covered with a UV resistant ABS radome. The vertically polarized antennas are well suited for communicating with fixed and mobile wireless clients. Because of their high gain they offer extended range. The 120° beamwidth covers a large service area. The super heavy duty stainless steel mounting system will insure a stable installation in high wind conditions. The mount has a tilt indicator to enable setting of accurate antenna downtilt.

#### FEATURES

- 900 MHz vertically polarized sector directional antenna
- 13 dBi gain, 120° beamwidth
- Heavy-duty stainless steel scissor bracket
- Type N female integrated connector standard

PARAMETER	
Frequency range	860-960 MHz
Gain	12 dBi
Horizontal beamwidth	120°
Vertical beamwidth	16°
Front-to-back	12 dB
Intermod	-107 dBm
VSWR	1.5:1
Impedance	50 ohm
Input power	200 W
Pole diameter (OD)	2 ~ 4 in (50-102 mm)
Operating temperature	-45 to +70°C
Weight	31 lbs (14 kg)
Dimensions (L x W x H)	5.3 x 11 x 5 in (1350 x 286 x 133 mm)

#### WIND LOADING

MODEL	SQ. IN	100 MPH	125 MPH
SA9-120-13	583	146 lb	228 lb

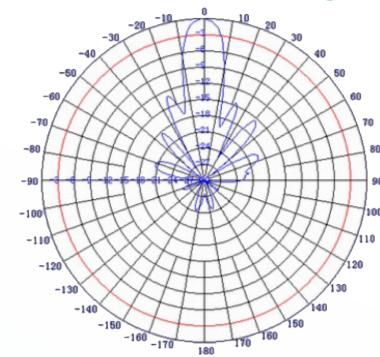
#### SYSTEM ORDERING

SA9-120-13 13 dBi 120° 860-960 MHz vertically polarized sector antenna

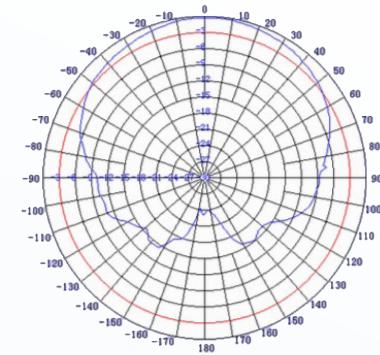
#### MARKETS

- 900 MHz ISM band applications
- WISP base station equipment
- Non line-of-sight applications
- Cellular applications
- WiMAX

#### ANTENNA PATTERNS



ELEVATION @ 914 MHZ



AZIMUTH @ 914 MHZ

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