

Innovative **Technology** for a **Connected** World

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 **Rohs**

- 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

SYSTEM ORDERING

SA9-120-13

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

MARKETS

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

ANTENNA PATTERNS







AZIMUTH @ 914 MHZ

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