



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 deg 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

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

MARKETS

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

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

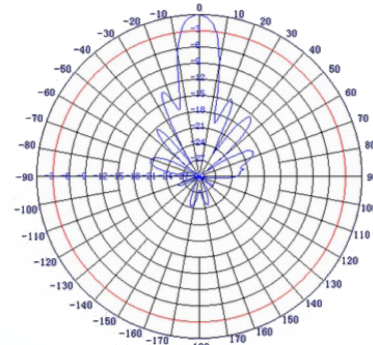
WIND LOADING

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

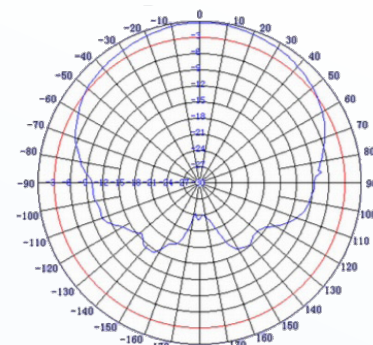
SYSTEM ORDERING

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

ANTENNA PATTERNS



ELEVATION @ 914MHZ



AZIMUTH @ 914MHZ



ANT-DS-SA9-120-13 0809

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