



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

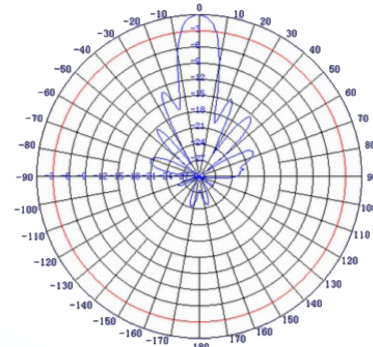
SYSTEM ORDERING

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

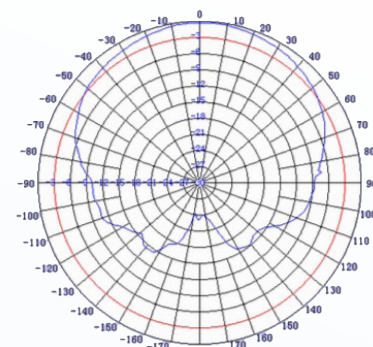
MARKETS

- 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



ANT-DS-SA9-120-13 0611

Any information furnished by Laird Technologies, Inc. and its agents is believed to be accurate and reliable. All specifications are subject to change without notice. Responsibility for the use and application of Laird Technologies materials rests with the end user, since Laird Technologies and its agents cannot be aware of all potential uses. Laird Technologies makes no warranties as to the fitness, merchantability or suitability of any Laird Technologies materials or products for any specific or general uses. Laird Technologies shall not be liable for incidental or consequential damages of any kind. All Laird Technologies products are sold pursuant to the Laird Technologies Terms and Conditions of sale in effect from time to time, a copy of which will be furnished upon request. © Copyright 2011 Laird Technologies, Inc. All Rights Reserved. Laird, Laird Technologies, the Laird Technologies Logo, and other marks are trademarks or registered trademarks of Laird Technologies, Inc. or an affiliate company thereof. Other product or service names may be the property of third parties. Nothing herein provides a license under any Laird Technologies or any third party intellectual property rights.

global solutions: local support™

Americas: +1.847.839.6907
IAS-AmericasEastSales@lairdtech.com

Europe: +1.32.80.7866.12
IAS-EUSales@lairdtech.com

Asia: +1.65.6.243.8022
IAS-AsiaSales@lairdtech.com

www.lairdtech.com

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Antennas](#) category:

Click to view products by [Laird Connectivity](#) manufacturer:

Other Similar products are found below :

[GAN30084EU](#) [930-033-R](#) [GW17.07.0250E](#) [1513563-1](#) [EXE902SM](#) [APAMPG-117](#) [MAF94383](#) [W3908B0100](#) [W6102B0100](#) [YE572113-30RSMM](#) [108-00014-50](#) [66089-2406](#) [SPDA17RP918](#) [A09-F8NF-M](#) [A09-F5NF-M](#) [RGFRA1903041A1T](#) [W3593B0100](#) [W3921B0100](#) [SIMNA-868](#) [SIMNA-915](#) [SIMNA-433](#) [W1044](#) [W1049B090](#) [A75-001](#) [WTL2449CQ1-FRSMM](#) [CPL9C](#) [EXB148BN](#) [0600-00060](#) [TRA9020S3PBN-001](#) [Y4503](#) [GD5W-28P-NF](#) [MA9-7N](#) [GD53-25](#) [GD5W-21P-NF](#) [C37](#) [MAF94051](#) [MA9-5N](#) [EXD420PL](#) [B1322NR](#) [QWFTB120](#) [MAF94271](#) [MAF94300](#) [GPSMB301](#) [FG4403](#) [AO-AGSM-OM54](#) [5200232](#) [MIKROE-2349](#) [WCM.01.0111](#) [MIKROE-2393](#) [MIKROE-2352](#)