Laird TECHNOLOGIES

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

HORIZONTALLY POLARIZED SECTOR ANTENNA

SAH24-120-12

2400-2500 MHz, 13 dBi HORIZONTALLY POLARIZED SECTOR ANTENNAS

The Laird Technologies SAH24-120-12 2.5 GHz horizontally polarized 120° sector antenna operates in the 2.4 to 2.5 GHz frequency band with a 13 dBi gain. Especially useful in spectrally crowded areas, the antenna provides a cost-effective solution for WLL, MMDS and point-to-multipoint applications. Optimized for low cross-polarization and low sidelobes, the SAH24-120-12 is ETSI SS compliant.

FEATURES RoHS

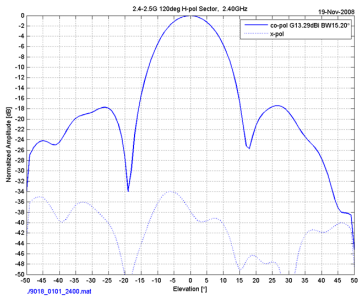
- High discrimination of vertically polarized signals
- 120° of horizontal beamwidth
- Horizontal polarization 13 dBi of gain
- Antenna offers durable construction
- Super rugged and lightweight

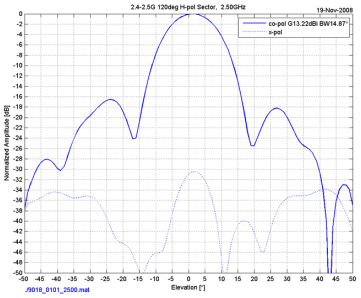
MARKETS

- 2.4 GHz ISM band applications
- 802.11b and 802.11g wireless systems
- WLAN base station antennas
- Wireless broadband systems
- Wireless internet
- WiMAX

PARAMETER	SPECIFICATIONS
Frequency Range	2400 - 2500 MHz
Gain	13 dBi
Maximum VSWR	1.5:1, Typical
3 dB Beamwidth - Azimuth	120°
3 dB Beamwidth - Elevation	15°
Polarization	Linear, Horizontal
Lightning Protection	DC – Grounded
Maximum Input Power	100 W
Input Impedance	50 ohm
Front-to-Back Ratio	25 dB
Cross-Polarization	30 dB
Mechanical Size	557 mm x 376 mm x 95.2 mm
Weight	3.4 kg (No Bracket)
Connector	Type N, Female
Radome	Polycarbonate, White
Mounting Style	Mast Mount
Mounting Hardware	Tilt Mount Kit, 1.5 in to 4.5 in Diameter
Temperature Range (Operational)	-30°C to +70°C
Temperature Range (Storage)	-40°C to +85°C

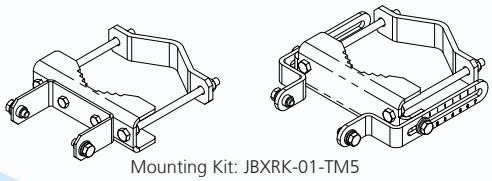
ANTENNA PATTERNS





SYSTEM ORDERING

SAH24-120-12 13 dBi 2.4 GHz horizontally polarized sector antenna



Mounting Kit: JBXRK-01-TM5

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

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