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Horizontally Polarized Wide Band Sector 5400 to 5850 MHz Operation

The horizontally polarized sector antenna systems offered by Laird Technologies are constructed of UV stable ABS plastic radomes and die cast aluminum brackets for long service life in the most demanding conditions. The horizontal polarization allows for reduced interference potential in systems which are installed in areas with high levels of vertically polarized RF noise or where the system manager wants to avoid potential future problems with interference. The super heavy duty bracket system is easy to install and adjust for up to 15 deg of downtilt. The single point bracket allows for easy deployment of multiple sectors around a single pole.

Features and Benefits:

- Wide band operation
- Horizontally polarized
- High gain in a small form factor
- Type N female integrated connector
- Completely weatherproof

Applications

- 5.8GHz U-NII band applications
- Base station antennas
- Point to multi-point systems
- 802.11a applications

For sales information:

Telephone 800-323-3757

E-Mail sales@pacwireless.com

or visit: www.pacwireless.com

Specifications

Parameter	Min	Typ	Max	Units
Frequency Range	5400		5850	MHz
VSWR		1.5:1		
Impedance		50		OHM
Input Power			100	W
Pole Diameter (OD)	1.5" (38)		3" (76)	Inch (mm)
Operating Temperature	-40		+70	Deg C

Parameter	SAH58-120-16-WB	SAH58-90-17-WB
Gain	16 dBi	17 dBi
Horizontal Beam Width	120 deg	90 deg
Vertical Beam Width	6 deg	6 deg
Polarization	Horizontal	Horizontal
Front to Back	>25 dB	>26 dB
Mechanical Downtilt	15 deg	15 deg
Weight	2.6 lb (1.2kg)	2.6 lb (1.2kg)
Dimensions (LxWxH)	22" x 5" x 2.8" (554 x 125 x 71mm)	22" x 5" x 2.8" (554 x 125 x 71mm)

Wind Loading (Lbs.)

Model	Sq. In	100MPH	125MPH
SAH58-WB	110	27.5 lb	43 lb

System Ordering:

SAH58-120-16-WB 5400-5850MHz 120deg, 16dBi, wide band HPOL sector antenna
 SAH58-90-17-WB 5400-5850MHz 90deg, 17dBi, wide band HPOL sector antenna

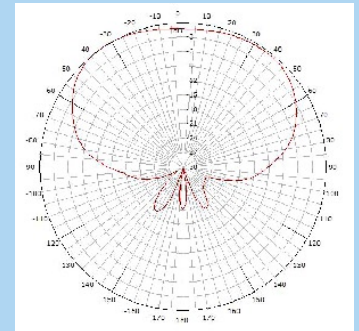
Notes:

- All shipments F.O.B. Schaumburg, IL 60173
- All antennas carry a 2 Year Warranty

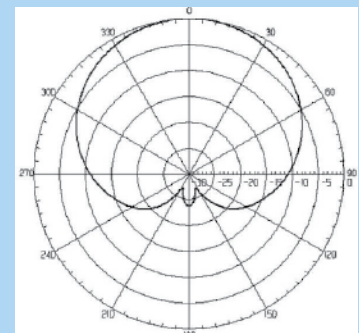
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Specifications subject to change without notice.

Antenna Patterns



SAH58-120-16-WB
Azimuth



SAH58-90-17-WB
Azimuth

