Laird TECHNOLOGIES®

SAH35

global solutions :
local support™

Horizontally Polarized Sector Antennas
3300 to 3600 MHz Operation

The 3.5GHz horizontally polarized sector antenna system offered by Laird Technologies are constructed of UV stable ABS plastic radomes and stainless steel 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 scissor bracket system is easy to install and adjust for up to 30 deg of downtilt.

Features and Benefits:

- Horizontally polarized
- High gain
- Type N female integrated connector
- Extremely rugged for long service life in extreme environments
- Completely weatherproof

Applications

- 3.5GHz WiMAX applications
- Base station antennas
- Point to multi-point systems
- BWA applications

For sales information:
Telephone 800-323-3757
E-Mail sales@pacwireless.com

or visit: **www.pacwireless.com**

SAH35

Specifications

Parameter	Min	Typ	Max	Units
Frequency Range	3300		3600	MHz
VSWR		1.5:1		
Impedance		50		OHM
Input Power			100	W
Pole Diameter (OD)	1" (25)		3" (76)	Inch (mm)
Operating Temperature	-40		+70	Deg C

Parameter	SAH35-90-16
Gain	17dBi
Horizontal Beam Width	90deg
Vertical Beam Width	6.5 deg
Polarization	Horizontal
Front to Back	>16 dB
Mechanical Downtilt	30 deg
Weight	10 Lb (4.5kg)
Dimensions (LxWxH)	35.5" x 4.7" x 2.4" (900 x 120 x 60mm)

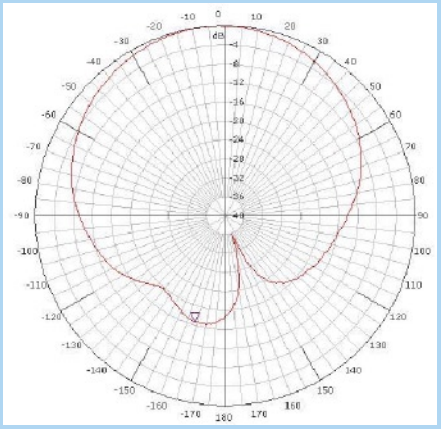
Wind Loading (Lbs.)

Model	Sq. In	100MPH	125MPH
SAH35	167	41.8 lb	65.2 lb

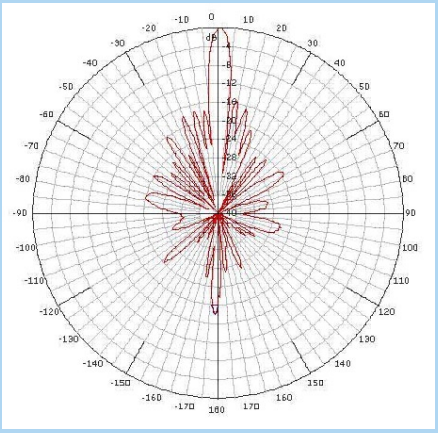
System Ordering:

SAH35-90-16 3300-3600MHz 16dBi 90deg HPOL Sector Antenna

Antenna Patterns



SAH35-90-16
Azimuth



SAH35-90-16
E-Plane

Notes:

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

RoHS compliant