

Horizontally Polarized Sector Antennas



3300-3600 MHz HORIZONTALLY POLARIZED SECTOR ANTENNA

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

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

MARKETS

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

PARAMETER	SAH35-90-16
Frequency range	3300 - 3600 MHz
VSWR	1.5:1
Impedance	50 ohm
Input power	100W
Pole diameter (OD)	1" - 3" (25-76mm)
Temperature	-40°C to +70°C
Gain	17 dBi
Horizontal beamwidth	90°
Vertical beamwidth	6.5°
Polarization	Horizontal
Front-to-back	>16 dB
Mechanical downtilt	30°
Weight	10 lbs (4.5 kg)
Dimensions (L x W x H)	35.5" x 4.7" x 2.4" (900 x 120 x 60mm)

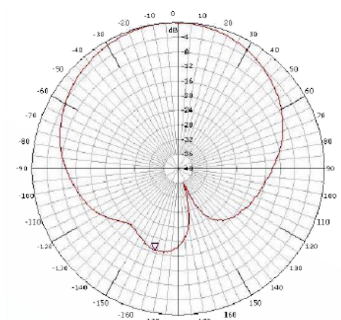
WIND LOADING

MODEL	SQ. IN	100 MPH	125 MPH
SAH35	167	41.8 lb	65.2 lb

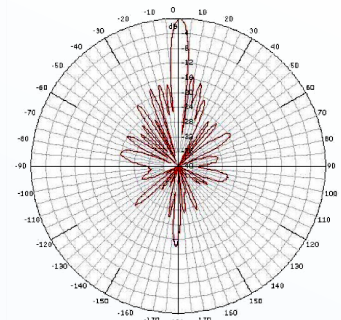
SYSTEM ORDERING

SAH35-90-16 3300-3600MHz 16dBi 90deg HPOL sector antenna

ANTENNA PATTERNS



SAH35-90-16
Azimuth



SAH35-90-16
E-Plane

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