

The Vertically Polarized Sector antenna systems offered by AWS are constructed of UV stable fiberglass radomes for extremely long service life in the most demanding conditions. The antennas are constructed using corrosion resistant metal elements which are more stable than PCB based antenna systems because they don't absorb moisture, which can degrade the performance of PCB based antenna systems. The 17dB sector comes with a stainless steel scissor bracket system for ease of installation and aligning. The 9dBi sector comes with a galvanized steel bracket with stainless steel hardware.



APPLICATIONS

2.4GHz ISM Band Applications
Base Station Antennas
802.11b and 802.11g AWSreless Systems
AWS-Fi Access Points
Point to Multi-point Systems

SPECIFICATIONS

Weight

AWSSA120-9 1.56 lbs (0.7 kg)
AWSSA120-16 9.9 lbs (4.5 kg)

Dimensions (LxWxH)

AWSSA120-9 10 x 6.5 x 2.5 in (254 x 165 x 63.5 mm)
AWSSA120-16 38 x 6.5 x 2.5 in (965 x 165 x 63.5 mm)

Input Return Loss -14 dB

Antenna Frequency Range 2400-2483 MHz

Gain

AWSSA120-9 9 dBi
AWSSA120-16 16.4 dBi

Beamwidth

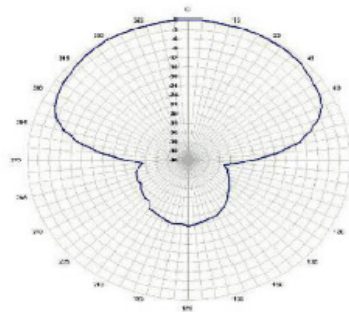
AWSSA120-9 HPOL 120 degrees ; VPOL 40 degrees
AWSSA120-16 HPOL 120 degrees ; VPOL 7 degrees

Polarization Vertical

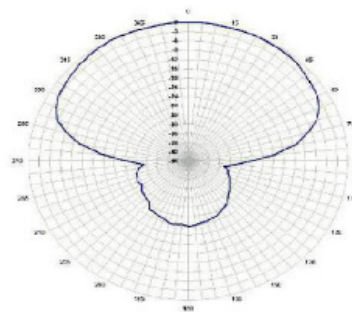
VSWR 1.5 : 1

Maximum Input Power 100 W

Impedance 50 Ohms



120-9 Horizontal Plane



120-16 Horizontal Plane