



# AWSSA24120 120 Degree Sector Antenna 9, 16.4 dBi

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 AWSSeless 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

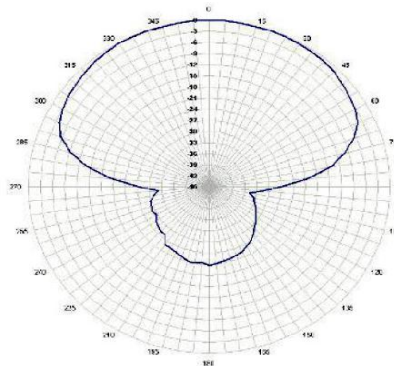
- AWSSA120-9 HPOL 120 degrees ; VPOL 40 degrees
- AWSSA120-16 HPOL 120 degrees ; VPOL 7 degrees

#### Polarization Vertical

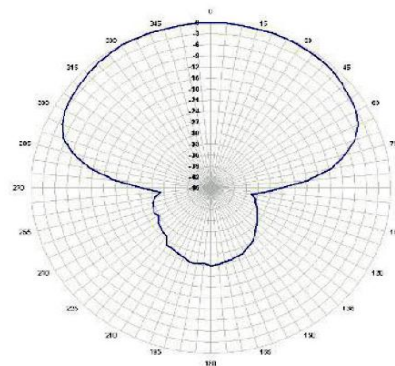
#### VSWR 1.5 : 1

#### Maximum Input Power 100 W

#### Impedance 50 Ohms



120-9 Horizontal Plane



120-16 Horizontal Plane