

AWSSA2490 90 Degree Sector Antenna

9.5, 17 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 Wireless Systems
Wireless Broadband Systems
Wi-Fi Access Points
Point to Multi-point Systems

SPECIFICATIONS

Weight AWS SA90-9 1.56 lbs (0.7 kg)
AWS SA90-17 9.9 lbs (4.5 kg)

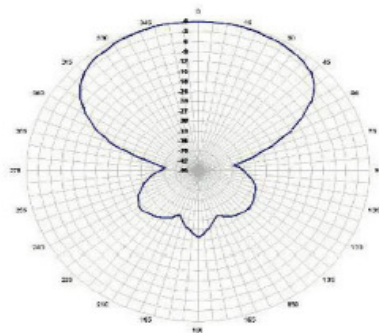
Dimensions (LxWxH) AWS SA90-9 10 x 6.5 x 2.5 in (254 x 165 x 63.5 mm)
AWS SA90-17 38 x 6.5 x 2.5 in (965 x 165 x 63.5 mm)

Input Return Loss -14 dB
Antenna Frequency Range 2400-2483 MHz

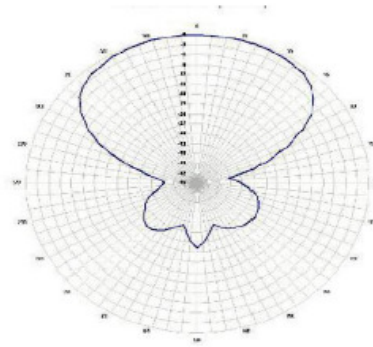
Gain AWSSA90-9 9.5 dBi
AWS SA90-17 17 dBi

Beamwidth AWSSA90-9 HPOL 90 degrees ; VPOL 40 degrees
AWS SA90-17 HPOL 90 degrees ; VPOL 7 degrees

Polarization Vertical
VSWR 1.5 : 1
Maximum Input Power 100 W
Impedance 50 Ohms



90-9 Horizontal Plane



90-17 Horizontal Plane