



Vertically Polarized Sector Antennas

4900 to 4990 MHz Operation

Features

- Vertically Polarized
- Hi Gain in Compact Package: 16dBi Gain , 90deg Beamwidth
- Type N Female Integrated Connector
- Extremely Rugged for long service life in extreme environments
- Weatherproof

Applications

- Public Safety Base Stations
- Public Safety Broadband Wireless
- Point to Multi-point Systems
- Federal and Local Government



16dBi Sector

Description

These 90deg Vertically Polarized Sector antenna systems offered by Pacific Wireless are designed specifically for Public Safety Applications in the 4.9GHz licensed band. The utilization of high gain sector antennas can provide better and more controlled wireless coverage than the traditional omnidirectional antenna. Overall coverage distance can be improved because of the more directional signal from these antennas as well as the higher gains available. The UV stable Fiberglass radome construction gives long service life under the most demanding conditions. The sectors come with a stainless steel scissor bracket mounting system for ease of installation and alignment.

Specifications

Parameter	Min	Typ	Max	Units
<i>Frequency Range</i>	4900		4990	MHz
<i>VSWR</i>		1.5:1		
<i>Impedance</i>		50		OHM
<i>Input Power</i>			50	W
<i>Pole Diameter (OD)</i>	1" (25)		2.4" (60)	Inch (mm)
<i>Operating Temperature</i>	-40		+70	Deg C

	SA49-90-16
<i>Gain</i>	16 dBi
<i>Horizontal Beam Width</i>	90 deg
<i>Vertical Beam Width</i>	9 deg
<i>Front to Back</i>	>25dB
<i>Mechanical Downtilt</i>	10 deg
<i>Weight</i>	5.7lb (2.6kg)
<i>Dimensions (LxWxH)</i>	20 x 6 x 2.4" (500x155x60mm)

