

# HP Variable Sector Antenna

2.4 - 2.5 GHz

Product code: SECT-A0008



Medium gain horizontally polarised variable sector covers the 2400 MHz band. The variable sector exhibits excellent return loss characteristics with VSWR of typically less than 1.8 across the band. 180, 120 and 60 degrees sectors can be realised by adjusting the distance between the reflector and radiating element. This can be achieved by moving the position of the reflector on the mounting bracket using the holes in the plate.

## Features:

- Variable sector.
- Wall mount or pole mount.
- Indoor or outdoor.

## Application areas:

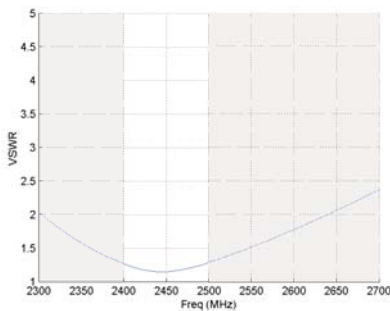
- Point to multipoint WLAN applications.

**Specifications:**

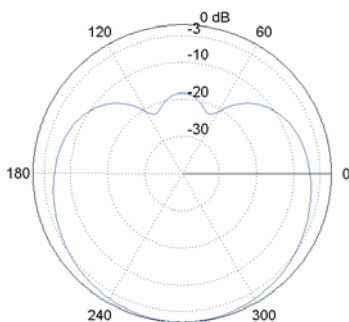
Product Code:	SECT-A0008	SECT-A0008-01	SECT-A0008-02
<b>Electrical:</b>			
Gain (max.)	7 dBi (± 0.5 dB)	8 dBi (± 0.5 dB)	10 dBi (± 0.5 dB)
Gain (min. over band)	6.8 dBi (± 0.5 dB)	7.8 dBi (± 0.5 dB)	9.8 dBi (± 0.5 dB)
Frequency	2.4 - 2.5 GHz	2.4 - 2.5 GHz	2.4 - 2.5 GHz
VSWR	<1.8:1	< 1.8:1	< 1.8:1
H-plane 3 dB beamwidth	180° (±3°)	120° (±3°)	60° (±3°)
Front to back ratio (F/B Ratio)	> 15dBi	> 15dBi	> 10dBi
Feed power handling	10 W	10 W	10 W
Nominal input impedance	50 Ohm	50 Ohm	50 Ohm
Connector	N(f)	N(f)	N(f)
Polarisation	Horizontal	Horizontal	Horizontal
<b>Mechanical:</b>			
Feed mounting	Pole mount 50mm diameter	Pole mount 50mm diameter	Pole mount 50mm diameter
Dimensions (h x w x d)	680 mm x 150 mm x 160 mm	680 mm x 150 mm x 160 mm	680 mm x 150 mm x 160 mm)
Weight	5.6 kg	5.6 kg	5.6 kg

**Simulated Measurements:**

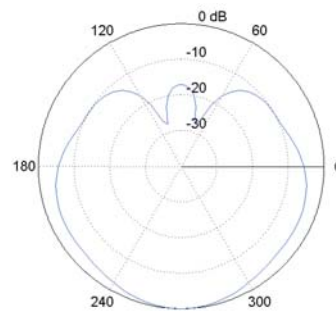
Typical VSWR for all 3 Sectors.



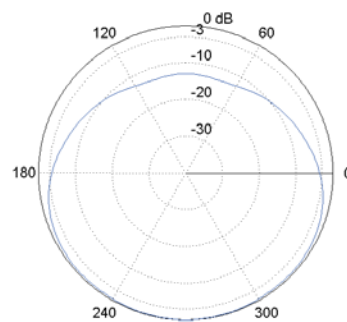
Azimuth 120° sector



Azimuth 60° sector



Azimuth 180° sector



Specifications subject to change without notice