

VP Variable Sector Antenna

2.4 - 2.5 GHz

Product code: SECT-A0009



The medium gain vertically polarised variable sector has been designed for the 2.4 GHz ISM band. The variable sector exhibits excellent return loss characteristics with VSWR of typically less than 1.8 across the band. 180, 120 and 90 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
- Pole mount or wall mount
- Easy to adjust.
- Rugged for outdoor environments.

Application area

- Point to multipoint communication
- With 802.11 b equipment

Specifications:

Product Code:	SECT-A0009	SECT-A0009-01	SECT-A0009-02
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Electrical:

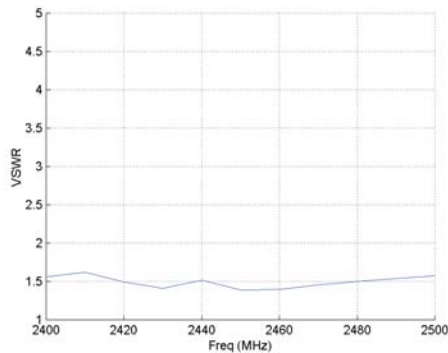
Gain (max.)	10 dBi (± 0.5 dB)	12 dBi (± 0.5 dB)	14 dBi i (± 0.5 dB)
Gain (min. over band)	9.8 dBi (± 0.5 dB)	11.5 dBi (± 0.5 dB)	13.5 dBi (± 0.5 dB)
Frequency	2.4 - 2.5 GHz	2.4 - 2.5 GHz	2.4 - 2.5 GHz
VSWR	< 1.8:1	<1.8:1	< 1.8:1
H-plane 3 dB beamwidth	180° (±3°)	120° (±3°)	90° (±3°)
Front to back ratio (F/B ratio)	> 15dBi (± 1 dB)	> 15dBi (± 1 dB)	> 10dBi (± 1 dB)
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	Vertical	Vertical	Vertical

Mechanical:

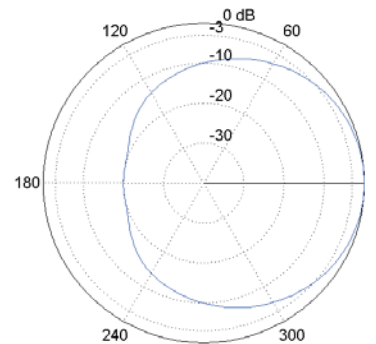
Feed mounting	50 mm pole mount	50 mm pole mount	50 mm pole mount
Dimensions (h x w x l)	(68 x 15 x 16)	(68 x 15 x 16)	(68 x 15 x 16)
Weight	5.6 kg	5.6 kg	5.6 kg

VSWR Measurement:

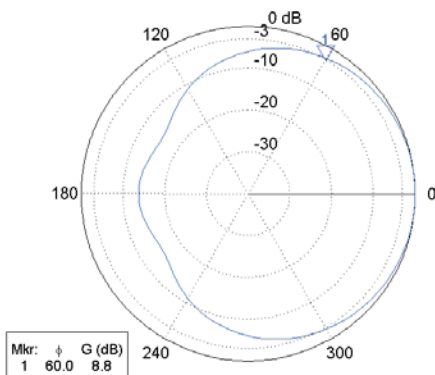
Typical VSWR for all 3 Sectors.



Azimuth 90° sector



Azimuth 120° sector



Azimuth 180° sector

