

Vertical Collinear Antennas

2.4-2.5 GHz

COL2402
COL2406
COL2408
COL2410



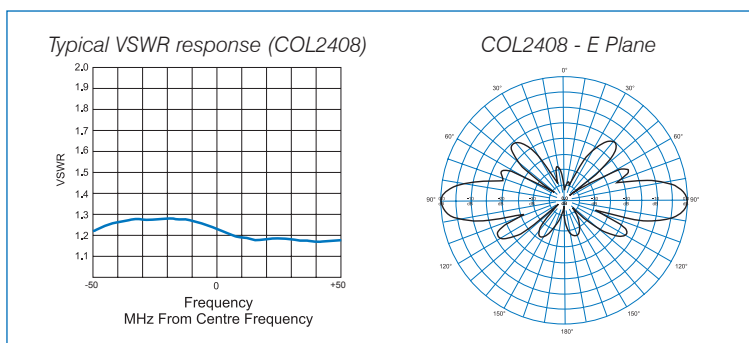
These antennas meet the exacting performance criteria for spread spectrum operation, including those of the IEEE802.11 wireless standard. This range of rugged, collinear antennas offers an omni pattern, with gains ranging from 2 to 10dBi, enabling optimum network configuration.

The patented PCB based design delivers superior pattern stability across the entire band avoiding inherent pattern tilting common in more traditional collinear designs.

Their UV stable white fibreglass housings make them the ideal choice in a wide range of industrial spread spectrum applications.

- Tightly controlled radiation patterns for optimum coverage
- Rugged construction meets all installations requirements
- Small inobtrusive design
- PCB design for optimum RF pattern stability
- Also available in mobile configurations with spring base

USA Patent No. 690940382
Australia Patent App. No. 2003255049 / EU Patent App. No. 03023406.6 /
China Patent App. No. 200310100548.5



Electrical

Model Number	COL2402	COL2406	COL2408	COL2410
Nominal Gain <i>dBi</i>	2	6	8	10
Frequency <i>MHz</i>	2400 - 2500			
Tuned Bandwidth <i>MHz</i>	100			
VSWR (Return Loss)	<1.5:1 (14dB)			
Nominal Impedance Ω	50			
Vertical Beamwidth	81°	22.2°	16.5°	8°
Horizontal Beamwidth	360°			
Input Power <i>W</i>	25			

Mechanical

Model Number	COL2402	COL2406	COL2408	COL2410
Construction	White fibreglass collinear antenna with stud mount base			White fibreglass collinear antenna with stainless steel mounting tube
Length <i>mm</i>	170	340	430	1095
Weight <i>kg</i>	0.15	0.17	0.2	0.25
Suggested Clamps	1 x MM2 bracket supplied			Mast mount 2 x stainless steel hose clamps supplied
Cable and Connector	200mm of 9006 and N-Female connector			500mm of 9006 and N-Female connector



P-40458-1