

UHF Vertical Enclosed Dipole Antennas

600-960 MHz

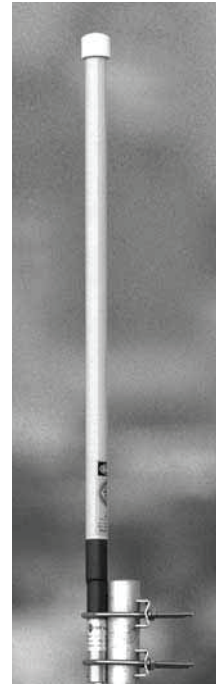
COD8 Series



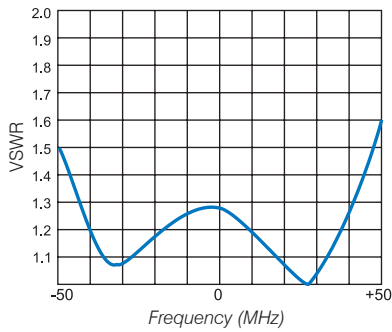
The COD8 Series antennas are a range of fibreglass enclosed vertical dipoles, ideal in point to multipoint, trunking, cellular and local coverage area applications. The antenna has a relatively broad bandwidth and easily accommodates both transmit and receive portions of any of the common 800MHz operating bands.

Features:

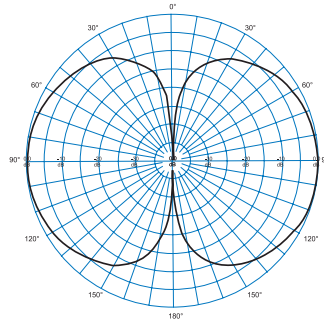
- Available spot tuned to user specified frequencies or in a number of pre-determined band configurations
- Excellent null fill coverage
- Omnidirectional unity gain performance



Typical VSWR Response (COD8)



COD8 - E Plane



Electrical

Model Number	COD8-81	COD8-82	COD8-99
Nominal Gain dBi (dBd)	2 (Unity)		
Frequency MHz	820 - 880	850 - 930	600 - 960
Tuned Bandwidth MHz	Full		
VSWR (Return Loss)	<1.5:1 (14dB)		
Nominal Impedance Ω	50		
Vertical Beamwidth°	78		
Horizontal Beamwidth°	Omni +/- 0.5dB		
Input Power W	25		
Passive IM 3rd order dBc	-120		

Mechanical

Model Number	COD8-81	COD8-82	COD8-99	
Construction	Alodined aluminium elements with white fibreglass radome			
Length m	0.8		Variable	
Weight kg	0.5			
Termination	N female bulkhead			
Mounting Area mm	315 x 25mm diam. Alodined aluminium	325 x 25mm diam. Alodined aluminium	230 (minimum) x 25mm diam. Alodined aluminium	
Suggested Clamps	2 x UB1			
Projected area cm ²	no ice	267	266	285
	with ice	488	484	525
Wind Load (Thrust) @ 160km/h N	32	32	34	
Wind Gust Rating km/h	>240			
Torque @ 160km/h Nm	5	4	8	