

UHF Vertical Enclosed Dipole Antennas

375-520 MHz

COD4 Series

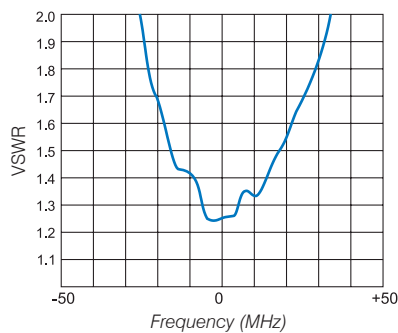


The COD4 series antennas are a range of fibreglass enclosed vertical dipoles ideal in local coverage applications. COD4 series antennas deliver extremely broad beamwidths which enhance close-in coverage. They are supplied pre-tuned in set bands and can be held as a stock antenna if required.

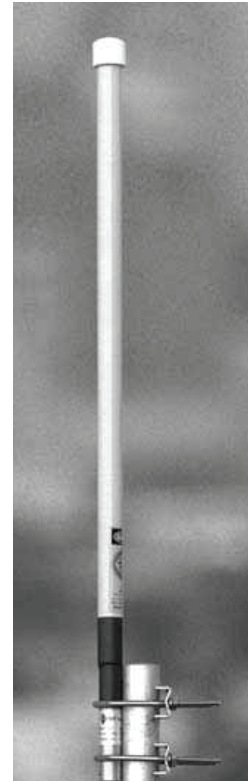
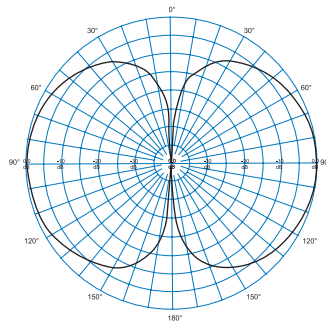
Features:

- Ideal for local area coverage
- Available spot tuned to user specified frequencies or in a number of pre-determined band configurations
- Unity gain omnidirectional radiation pattern with excellent null-fill characteristics
- Dual decoupling choke to ensure distortion-free pattern

Typical VSWR Response (COD4)



COD4 - E Plane



Electrical

Model Number	COD4-65	COD4-70	COD4-71	COD4-63	COD4-72	COD4-99
Nominal Gain dBi (dBd)	2 (Unity)					
Frequency MHz	400 - 420	450 - 470	470 - 490	480 - 500	500 - 520	375 - 520
Tuned Bandwidth MHz	Full band					4%
VSWR (Return Loss)	<1.5:1 (14dB)					
Nominal Impedance Ω	50					
Vertical Beamwidth°	78					
Horizontal Beamwidth°	Omni +/- 0.5dB					
Input Power W	50					
Passive IM 3rd order (2x20W) - dBc	-125					

Mechanical

Model Number		COD4-65	COD4-70	COD4-71	COD4-63	COD4-72	COD4-99
Construction		Alodined aluminium elements with white fibreglass radome					
Length <i>m</i>		1.0	0.9				Variable
Weight <i>kg</i>		0.5					
Termination		N female bulkhead					
Mounting Area <i>mm</i>		100mm x 25mm diam. alodined aluminium					
Suggested Clamps		2 x UC1 or 2 x UB1					
Projected area <i>cm</i> ²	no ice	266	250				270
	with ice	494	463				497
Wind Load (Thrust) @ 160km/h <i>N</i>		32	30				32
Wind Gust Rating <i>km/h</i>		>240					
Torque @ 160km/h <i>Nm</i>		10	8				11