

Multi-band High Gain Collinear Antenna

824-960 MHz / 1710-2170 MHz

CD2100 Series



The outstanding performance of the CDQ2100 series lies in the use of the patented Meander™ radiating elements. These Meander™ circuits are coupled together to deliver extraordinary consistency in gain, coverage pattern and bandwidth. The result is a unique antenna able to operate across all mobile phone networks globally, housed in the one unit.

With a 13mm stud mount on an heavy duty electropolished stainless steel spring, these antennas may be installed on a number of mounting brackets and are ideal for installations in commercial vehicles, four wheel drives and trucks. They are also available as fixed base station antennas for wireless modem applications - see COL2100 series.

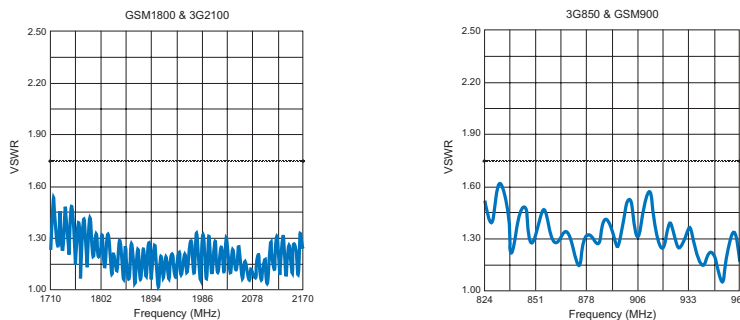
In addition the CDQ2100 series are designed with our Q-Fit® system for quick and simple removal of the whip section. This allows users to remove the whip section when entering car wash's, low height areas such as car parks and for security. The antennas are provided with a waterproof sealing cap to prevent the ingress of dust and water when the whip section is removed.

Features:

- Patented PCB based Meander™ collinear design offering the ultimate in pattern and gain stability
- Ideal for all new 3G networks with true multi-band coverage
- High gain across 824-960 MHz suiting fringe and rural applications
- Min. 3 dBi gain at 2100 MHz to suit metropolitan applications today and future proofing for network expansions
- Q-Fit® removable whip system for ease of removal in low height environments such as multistory car parks, car wash's or for security



Typical VSWR Response



Electrical

Model Number	CDQ2195		CDQ2197		CDQ2199	
Nominal Gain dBi	6.5	3	7.5	3	9	3
Frequency MHz	824-960		1710-2170		824-960	
Tuned Bandwidth	Full					
VSWR	<2.5:1					
Impedance Ω	50					
Vertical Beamwidth	21	57	18	57	9	57
Input Power W	10					

Mechanical

Model Number	CDQ2195		CDQ2197		CDQ2199	
Construction	PCB inside tapered fibreglass radome					
Length mm	1010		1210		2080	
Radome diameter mm	22.5-15.6					
Weight kg	1.15		1.25		1.7	
Shipping weight kg	1.2		1.3		1.75	
Shipping dimensions mm	H	1200		1200		2100
	W	125		125		125
	L	50		50		50
Termination	5m of 9006 low loss cable terminated with FME female connector					
Mounting area	16mm diameter mount hole required					

USA Patent No. 6,909,403 B2 European Patent No. 1411588 and other pending applications: Aust Patent App. No. 2003255049 Chinese Patent App No. 200310100548.5 Indian Patent App No. 844/CHE/2003

