

# UHF CB HIGH GAIN COLLINEAR ANTENNA

## CDQ5000 & CDQ8000 Series

477 MHz



CDQ5000 & CDQ8000 antennas are based on our successful CD5000 antenna and designed to the same revolutionary performance. The secret to this extraordinary performance lies in the use of a unique PCB radiator. The patented Meander™ circuit delivers exceptional consistency in gain and pattern.

The CDQ5000 & CDQ8000 employs the new Q-Fit® removable whip system for fast and simple removal when entering low height areas such as car parks or when using car washes. This antennas are supplied with a waterproof cap to ensure no water/dust ingress into the antenna connection when the whip is removed.

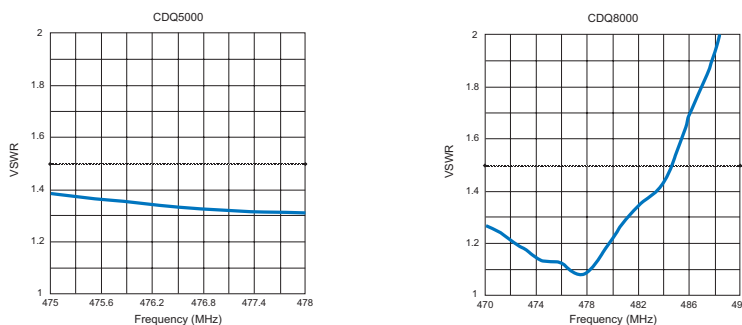
With a heavy duty electro polished stainless steel spring, the CDQ5000 and CDQ8000 can be installed on a number of mounting brackets and are ideal for installations in commercial vehicles, four wheel drives and trucks.

### Features:

- Patented PCB based Meander™ collinear design offering the ultimate in pattern and gain stability.
- 5 dBi (CDQ5000) and 8 dBi (CDQ8000) gain across the full 477 MHz UHF CB band.
- Q-Fit™ removable whip system for ease of removal in low height environments such as multi-story car parks, car wash's or for security.



Typical VSWR Response



### Electrical

Model Number	CDQ5000	CDQ8000
Nominal Gain dBi	5	8
Frequency MHz	477	
Tuned Bandwidth MHz	Full	
VSWR (Return Loss)	<1.5:1	
Impedance Ω	50	
Vertical Beamwidth	33 °	14 °
Input Power W	25	

### Mechanical

Model Number	CDQ5000	CDQ8000	
Construction	PCB inside tapered fibreglass radome with heavy duty SS spring assembly	PCB inside tapered fibreglass radome with extra heavy duty SS spring assembly	
Length mm	1010	2080	
Radome Diameter mm	22.5 - 15.6		
Weight kg	1.15	1.7	
Shipping Weight kg	1.2	1.75	
Shipping Dimensions mm	H	1200	2100
	W	125	125
	L	50	50
Termination	5m of 9006 low loss cable terminated with FME female connector and UHF adaptor		
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

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