

VHF Ground Independent Mopole™

70-85 MHz

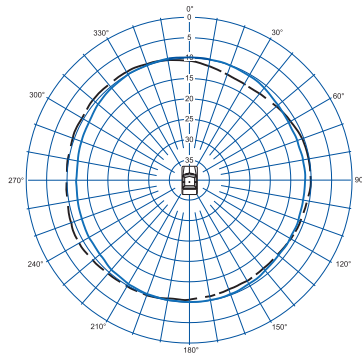
CD17 Series



The CD17 is a ground plane independent Mopole™ antenna which provides excellent performance in a “compromise” mounting position. The CD17 also provides an extended bandwidth in a physical arrangement which is ideal for every application from sedans to the heaviest industrial vehicles.

Features:

- Ground independent Mopole™ design allows installation in a variety of mounting locations
- Bandwidth of over 3MHz for VSWR < 1.5:1 accommodates most duplex requirements
- High impedance matching transformer allows end feeding of electrical half wave element
- Shortened half wave radiators suit restricted height applications
- Tapered stainless steel or fibreglass versions available



The CD17 exhibits 1.5dB of gain (over a 3 whip) and excellent, almost omnidirectional pattern, even when gutter mounted as in this typical pattern.

TEST FREQUENCY: 77 MHz

REFERENCE ANTENNA	TEST ANTENNA
MODEL: SW1 —————	MODEL: CD17 —————
MOUNT: MB9 Roof Centre	MOUNT: Gutter Mount Driver Side



NOTE: The CD17 is highly compressed 2 wave antenna and although it functions independently of a ground plane, performs markedly better if earthed. Earthing via a gutter or mirror style bracket will ensure the best possible field performance.

Electrical Specifications

Model Number	CD17-xx-73	CD17-xx-50
Gain	1.5dB over a ¼ wave	
Frequency MHz	xx denotes Freq band: 26 = 70 - 77 MHz 27 = 77 - 85 MHz	
Power W	50	
Tuned Bandwidth	3.0 MHz @ < 1.5:1 VSWR	
Tuning	Field tune to minimum VSWR with supplied chart	

Mechanical Specifications

Model Number	CD17-xx-73	CD17-xx-50
Whip Material	17-7PH stainless steel whip with fibreglass base coil assembly	
Whip Length mm	1500	
Mounting	Threaded stud	MBC base (included)
Cable and Connector	5.0m RG58 C/U	Not included