

UHF Elevated Feed Mopole™

400-520 MHz

CD93 Series



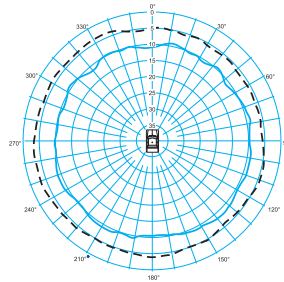
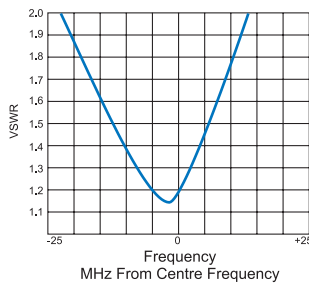
The CD93 Series are high performance elevated feed mobile antennas which can be used in virtually any mounting position. When gutter or roof bar mounted, high above a vehicle, CD93 Series antennas deliver a full 6.5dB of gain over a 3 wave whip.

Features:

- Totally ground plane independent
- Elevated feed boosts radiating element above obstructions
- “Phasemaster™” whip section provides superior performance and strength
- Quality construction - choke assembly is crafted from solid brass and available in both chrome and black finishes
- Fibreglass whip option available
- Can be used with a variety of mounts. See accessories section for options.



Typical VSWR response (CD93 Series)



This pattern shows that when elevated above obstructions, the CD93 is fully ground independent and delivers superior gain. This pattern is showing that the published gain figures of 6.5dB over a 1/4 wave whip are justified.

TEST FREQUENCY: 460 MHz
REFERENCE ANTENNA MODEL: SW7 MOUNT: MB10 Roof Centre
TEST ANTENNA MODEL: CD93 MOUNT: GM2 Gutter Drivers Side

Electrical

Model Number	CD93-65-70	CD93-70-70	CD93-71-70	CD93-72-70
Colour Code	Black	Red	Blue	Yellow
Gain	6.5dB over a 1/4 wave. See note (1)			
Frequency MHz	400-420	450-470	470-490	490-520
Power W	100			
Tuned Bandwidth	Entire specified band @ <1.6:1 VSWR			
Tuning	Supplied pre-tuned			

Mechanical

Model Number	CD93 Series	CD94 Series
Whip Material	17-7PH stainless steel with black high gloss finish	17-7PH plain stainless steel
Whip Length mm	810 max (Includes whip and choke section)	
Mounting	Threaded stud and nut assembly mounts in either 13mm or 16mm dia. mount hole	
Cable and Connector	Not supplied, order separately. See note (2)	

(1) Mopole™ antennas such as the CD93 and CD94 have been shown to exhibit a 6.5dB improvement in received signal level in the field when compared to a 1/4 wave whip however in pattern tests exhibit only 1.5 to 2dB over a 1/4 wave (equivalent to 1.5-2dB). This improvement in performance can be attributed to a lower radiation angle level of these ground independent antennas.

(2) Available preterminated with 5M RG58 cable. Use -73 (8058 cable) or -75 (9001 cable) to replace -70 suffix.