

UHF CBRS Mopole™

477 MHz

CD63 Series



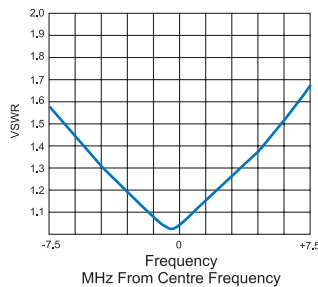
The CD63 Series Mopole™ antennas offer complete versatility in mounting options. Unlike conventional roof mount antennas, the CD63 Series antennas have true ground independence which allows mounting in a variety of positions including vehicle mirror, gutter or roof bar mounts.

This extraordinary performance is made possible by the use of an exclusive (and patented) high impedance matching circuit in the base coil. This allows the end feeding of the collinear whip section, a e over 2 wave radiator wound from a single piece of high resilience 17-7PH stainless steel.

Features:

- Available in two mounting options, removable MBC style (CD63-71-50) or threaded stud and nut (CD63-71-70)
- Excellent performance - Exhibits 6.0dB gain over a ¼ wave whip mounted in the centre of a metal roof
- Flexible - Stainless steel whip returns to original shape after bending
- Rugged - The base coil is housed in a high impact thermoplastic moulding and is practically indestructible
- Stylish - Attractive black finish, complements vehicle styling

Typical VSWR response



Electrical

Model Number	CD63-71-50	CD63-71-70
Gain	6dB over a ¼ wave. See note (1)	
Frequency MHz	477	
Power W	20	
Tuned Bandwidth	Entire specified band @ <1.5:1 VSWR	
Tuning	Supplied pre-tuned	

Mechanical

Model Number	CD63-71-50	CD63-71-70	CD63-71-73
Whip Material	17-7PH Stainless steel		
Whip Length mm	800 (whip and coil only)		
Mounting	MBC base supplied to fit 16mm hole	16mm stud mount	
Cable and Connector	None supplied		5m RG58C/U cable

(1) Mopole™ antennas such as the CD63 have been shown to exhibit a 6dB improvement in received signal level in the field when compared to a ¼ wave whip however in pattern tests exhibit only 1.5 to 2dB over a ¼ wave (equivalent to 1.5-2dB). This improvement in performance can be attributed to a lower radiation angle level of these ground independent antennas.