

Broadband UHF Mobile Antenna
380-470 or 450-520MHz
CD61 Series



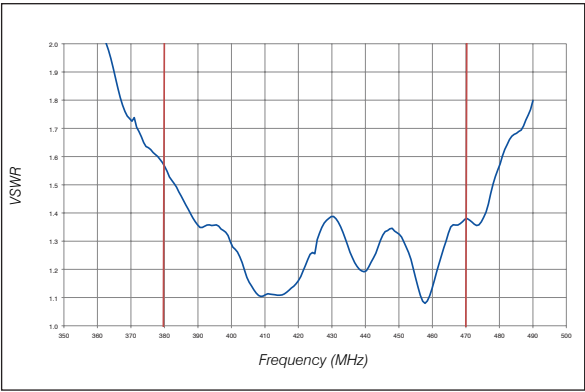
The CD61 Series broadband antenna supports multiband radio technology, providing full interoperability among emergency services and commercial radios, regardless of UHF segment used. They provide outstanding coverage of UHF frequencies, in a ready-to-install, no tune design.

The integrated matching circuit is housed in a rugged, impact-resistant base for maximum durability with a fully moulded highly flexible whip. The CD61 comes in two base designs to suit a variety of applications and users, the original PL259 (MBC) base to suite many existing installations onto vehicles and the N-Type Bulkhead mount for harsh and demanding environments where a robust through mount is required.

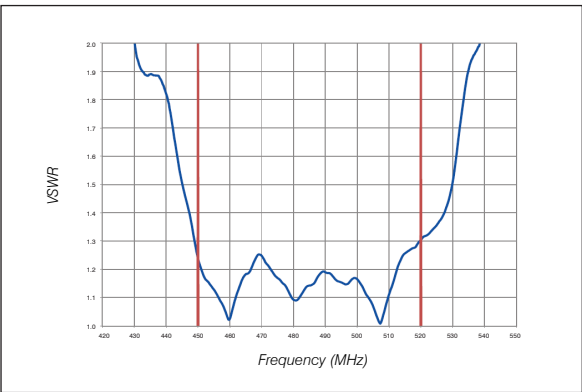
Key Features:

- Ground plane independent design allows alternative mounting locations
- Ultra broadband coverage mean no tuning in the field
- Highly flexible over-moulded whip
- Available in a robust N-type base or the standard MBC (PL259) base

Typical VSWR Response:



VSWR Plot (380-470MHz)



VSWR Plot (450-520MHz)



Electrical Specifications

Model Number	CD61-3847-XX		CD61-4552-XX
Frequency MHz	380-470		450-520
Gain dBq*	4.0		
Polarisation	Vertical		
VSWR (Return Loss)*	380-400MHz <1.7:1 400-470MHz <1.5:1		<1.5:1
Impedance Ω	50		
Input Power W	25		
Tuned Beamwidth	Full		

* Please note VSWR and Gain response may vary between vehicle types and/or mounting locations.
VSWR tested on a 1m x 1m ground plane at the end of a 5m RG58 cable

Mechanical Specifications

Model Number	CD61-3847-50	CD61-3847-53	CD61-3847-30	CD61-4552-50	CD61-4552-53	CD61-4552-30
Whip Material	TPU Over-moulded whip					
Antenna Length mm	288.6			278.6		276.6
Mounting	MBC base (included)		N-Type Bulkhead	MBC base (included)		N-Type Bulkhead
Cable & Connector	Not supplied	5M RG58C/U	Not supplied	Not supplied	5M RG58C/U	Not supplied
Mounting	Not included					