

Dual Band VHF/UHF Mobile Antenna

148-174 & 400-470MHz

CD30 Series

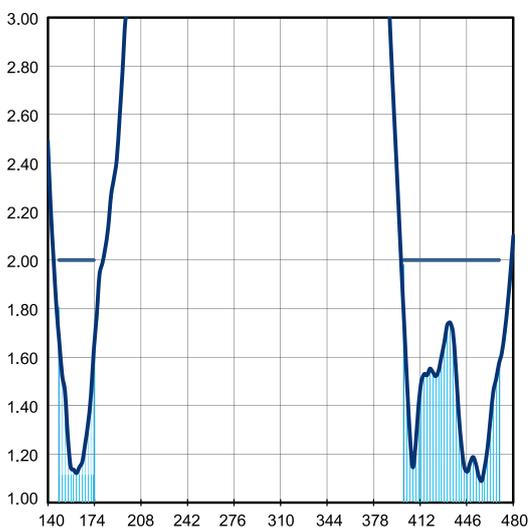


RFI's dual band VHF/UHF antenna supports multi-band radio technologies to provide interoperability among emergency management and response personnel, regardless of the frequency band used. It provides outstanding coverage of VHF and UHF bands in an easy-to-install, no tune design. Its PCB based matching circuit is housed in a rugged, impact-resistant housing and flexible moulded whip for maximum durability. This interfaces with standard SO-239 (MBC) mobile base mounts to facilitate existing installation upgrades on public safety vehicles.

Features:

- No tune, dual band coverage of VHF (148-174MHz) and UHF (400-470MHz) frequencies
- Rugged construction for long lasting, reliable emergency response applications
- MBC (SO-239) compatible interface for easy installation or upgrades
- Excellent VSWR performance across frequencies

VSWR Plot



Electrical Specifications

Model Number	CD30-148470-xx	
Frequency MHz	148-174	400-470
Nominal Gain dBi	1*	4.5*
VSWR	<2.0:1*	
Tuned Bandwidth	Full	
Nominal Impedance Ω	50	
Power W	40	25
Tuning	Supplied pre-tuned	

* Measured on a 1m x 1m ground plane. Gain & VSWR value is measured at the base of 5m RG58 cable.

Mechanical Specifications

Model Number	CD30-148470-xx
Mounting	Roof mount on MBC (SO-239) base
Base Construction	High impact resistance, UV stable ABS
Base Dimensions mm	150 x ϕ 30
Whip Construction	Over-moulded SS whip
Whip Length mm	347
Overall Length mm	496
Versions	-00 - Whip only / no MBC base or cable -50 - Whip & MBC base / no cable -53 - Whip, MBC base and 5m RG58 cable

NOTE: The CD30 is ground Dependent and should be mounted on a ground plane or close to a ground plane.