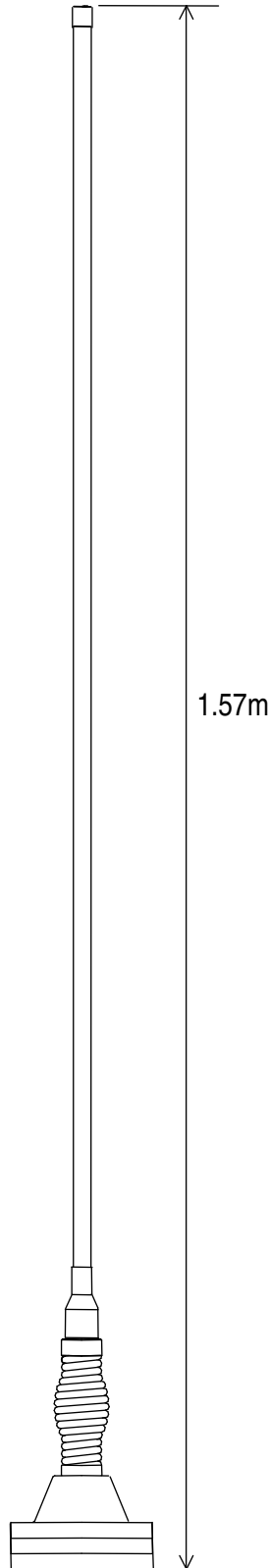


# COMROD VHF30450DB/GPS

## VHF/UHF Dual-band antenna with GPS

### Features:

- 30-88MHz & 225-450MHz
- 2-ports for VHF and UHF
- Designed for operation on all kinds of vehicles
- Suitable for operation on shelters and to be mounted on masts or in other permanent installations.
- Rugged high quality antenna with a durable construction
- NATO flange base with spring.
- UHF antenna element located at the top of the whip for maximum range
- VHF requires a ground plane
- GPS antenna element enclosed in the base, L1



### Electrical specifications:

Frequency range	VHF: 30-88MHz UHF: 225-450MHz GPS: L1 1575 ±10 MHz	
VSWR	VHF: < 3.5 UHF: < 3.5	
Port-to-port isolation	> 35dB	
Nominal impedance	50Ω	
Power rating	VHF: 100W CW	UHF: 50W CW
Gain	VHF: -4 .. +1 dB rel. ¼-whip	UHF: -3 .. 1.5 dBi
Radiation pattern	Horizontal plane: Omnidirectional	
Polarization	VHF and UHF: Vertical	GPS: RHCP
Connector	VHF and UHF: BNC female GPS: SMA female	
GPS supply voltage	5 ±0.5V Current < 40mA	
GPS preamplifier gain	26.5dB	
GPS noise figure	2.5dB	

### Mechanical specifications:

Design	VHF: End feed monopole. UHF: Center feed dipole. Radiating element completely enclosed in epoxy/fiberglass laminate. Metal parts are brass and stainless steel.	
Weight	Whip: 1kg	Base: 3.3kg
Wind rating	55m/s	
Finish	Polyurethane lacquer	
Temperature range	-55°C to +71°C, -67°F to +160°F	

