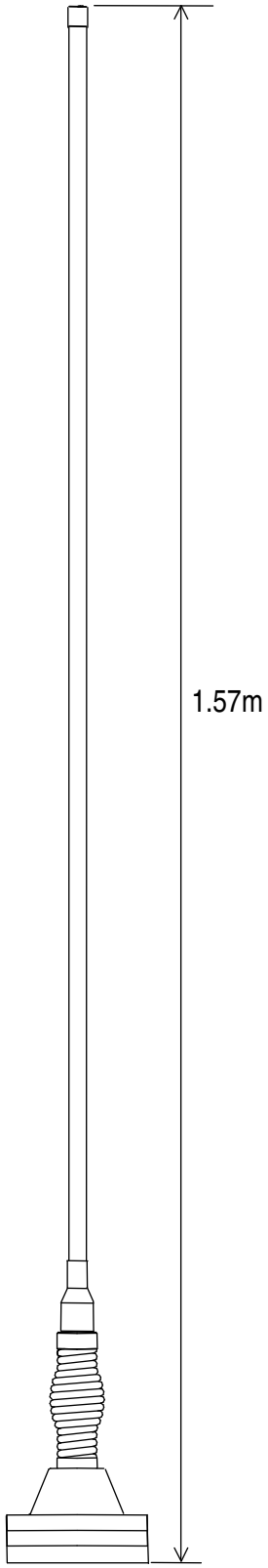
COMROD VHF30450DB/GPS

VHF/UHF Dual-band antenna with GPS L1L2

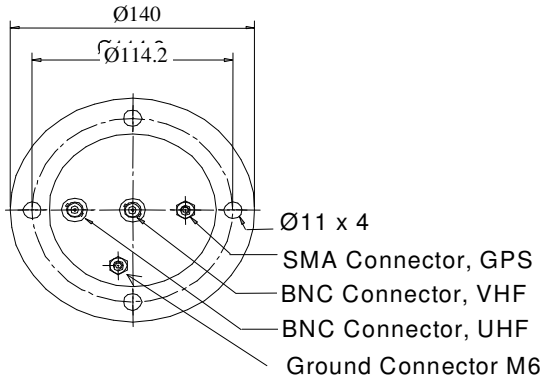


Features:

- 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, L1L2

Electrical specifications:

Frequency range	VHF: 30-88MHz UHF: 225-450MHz GPS: L1/L2 1575 / 1227 ±10 MHz
VSWR	VHF: < 3.5 UHF: < 3.5
Port-to-port isolation	> 40dB
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	2.7-5.5V DC Current < 60mA
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