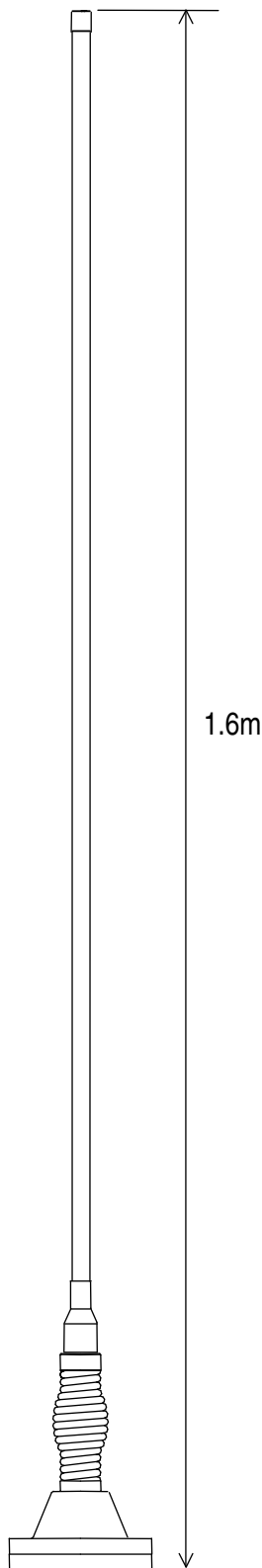


COMROD VHF3088DB/WLAN

Combined VHF and WLAN/WiFi antenna



Application:

- 30-88MHz & 2400-2480MHz
- 2-ports for VHF and WLAN/WiFi
- Designed for operation on all kinds of vehicles including Jeeps, Trucks and other armored 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.
- WLAN antenna element located at the top of the whip for maximum range
- VHF requires a ground plane

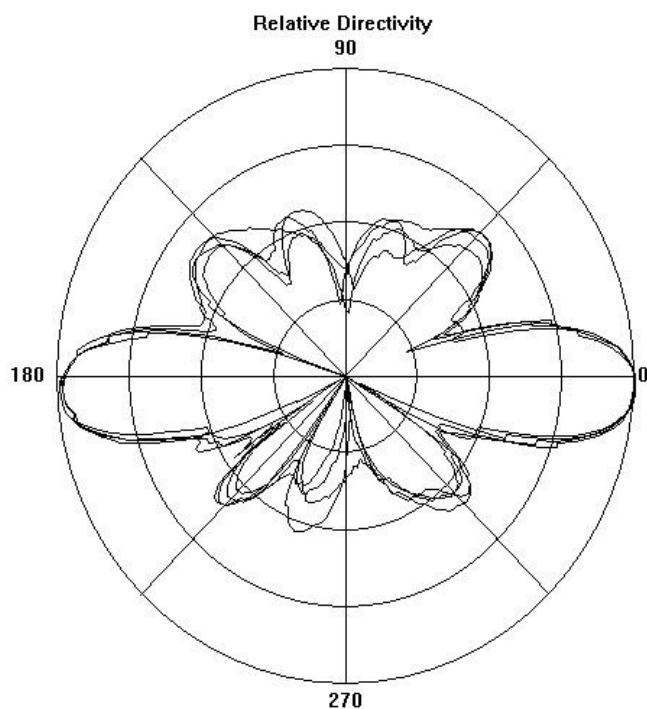
Electrical specifications:

Frequency range	VHF: 30-88MHz WLAN: 2400-2480MHz
VSWR	VHF: ≤ 3.5 WLAN: ≤ 2.5
Nominal impedance	50 Ω
Power rating	VHF: 100W CW WLAN: 10W CW
Gain	VHF: -4.1dB rel. 1/4-whip WLAN: 5dBi
Radiation pattern	Azimuth: Omnidirectional Elevation: See diagram overleaf
Polarization	Vertical
Connector	VHF: Bottom base BNC UHF: Bottom base BNC

Mechanical specifications:

Design	VHF: End feed monopole. WLAN: Collinear dipoles. Radiating elements completely enclosed in epoxy/fiberglass laminate. Metal parts are brass and stainless steel.
Length	1.6m
Weight	Whip: 1.2kg Base: 2.6kg
Wind rating	55m/s
Finish	Polyurethane lacquer
Temperature range	-55°C to +71°C, -67°F to +160°F

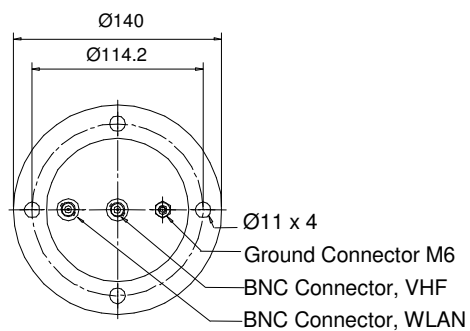
Radiation Diagram, Elevation, WLAN:



40dB dynamic range

Radiation pattern for WLAN, 2400, 2420, 2460 and 2480MHz

Antenna base, bottom view:



Mounting details