



Comrod Part 040190-17
Meets Requirements of NSN 5985-01-559-0074

Application

The VHF30512CEF is an ultra wideband vehicle antenna designed for use on all modern in-service military platforms, including armored or soft skin, metal chassis or composite, wheeled or tracked.

The novel design gives it an excellent gain and radiation pattern across the whole frequency range. The antenna needs no adjustment for different frequencies as all the tuning elements are within the whip.

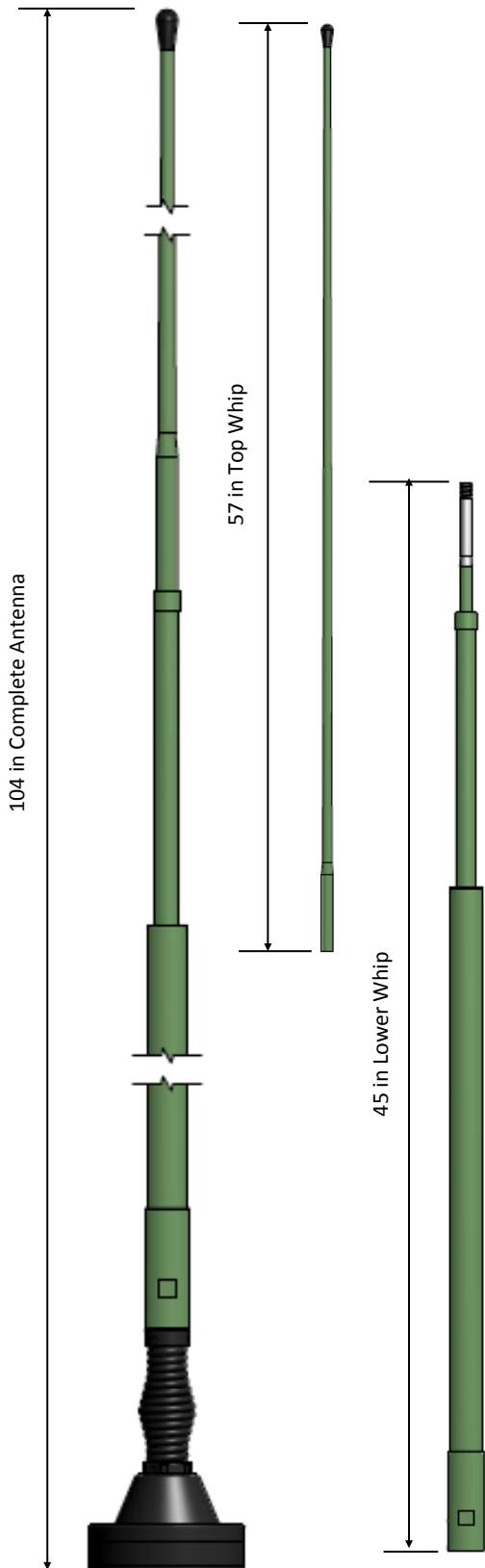
Electrical Specification

Frequency range	30 - 512MHz (30-88 & 108-512 MHz)
VSWR	< 3.5
Nominal impedance	50 ohm
Power rating	50 W
Gain	-4dB to +4dB from 30-88MHz -9dB to 0dB from 108-512MHz
Radiation pattern	Azimuth: Omni-directional
Polarization	Vertical
Connectors	BNC female (x2)

Mechanical specification

Design	Center fed dipole for UHF. End-fed whip for VHF. Radiating element completely enclosed in epoxy/ fiberglass laminate. Metal parts are plated brass and stainless steel.
Length	Total: 104 in Lower whip: 45 in Upper whip: 57 in Base: 9.5 in
Weight	Total: 8.3 lbs Lower whip: 2.6 lbs Upper whip: 0.7 lbs Base: 5 lbs
Wind rating	125 mph (55 m/s)
Finish	Polyurethane lacquer
Color	383 Green or 686 Tan
Temperature range	-55 °C, +71°C; -67 °F, +160 °F

Mechanical Details



Electrical Connections

