

Features:

- 30-512MHz & 225-2000MHz
- 2-ports VHF and UHF
- Designed for operation on all kinds of vehicles including 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.
- UHF antenna elements located at the top of the whip for maximum range
- VHF requires a ground plane
- Antenna base with GPS L1 or L1/L2 available as option

Electrical specification:

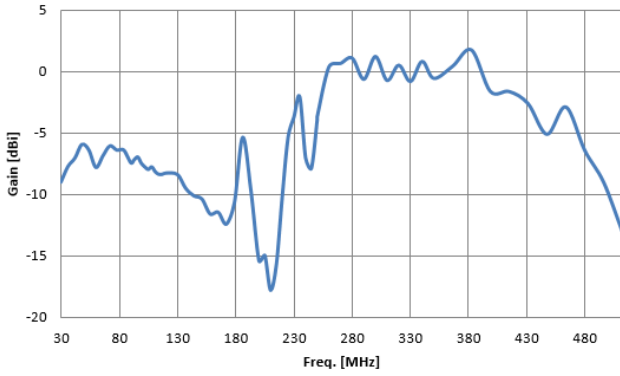
Frequency range	VHF: 30-512MHz UHF: 225-2000MHz
VSWR	VHF: < 3.5:1 UHF: < 3.5:1
Port-to-port isolation	See isolation curve
Nominal impedance	50Ω
Power rating	VHF: 50W UHF: 50W
Gain	VHF: See gain curve UHF: See gain curve
Radiation pattern	Omni-directional within ±2dB
Polarization	Vertical
Connector	VHF: TNC female UHF: N female Optional GPS: SMA female

Mechanical specification:

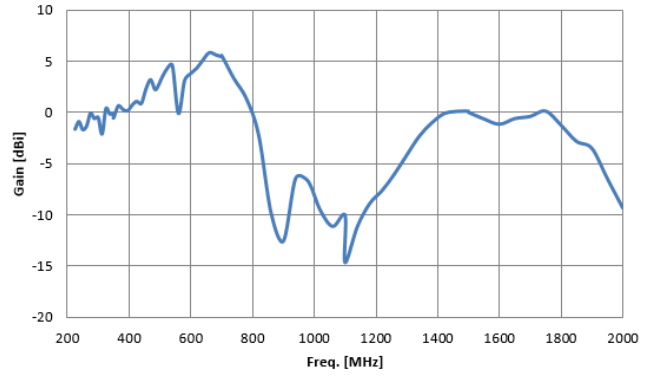
Design	VHF: End feed monopole. UHF: dipole elements. Radiating elements completely enclosed in epoxy/fiberglass laminate. Metal parts are brass, stainless steel and aluminum
Length	1.65m
Weight	Whip: 1.6kg Base: 2.8kg
Wind rating	55m/s
Finish	Polyurethane lacquer
Temperature range	-55°C to +71°C, -67°F to +160°F

Gain & Isolation Curves

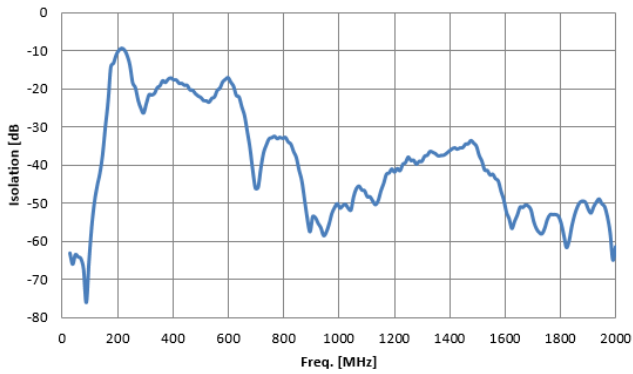
Gain - VHF



Gain - UHF

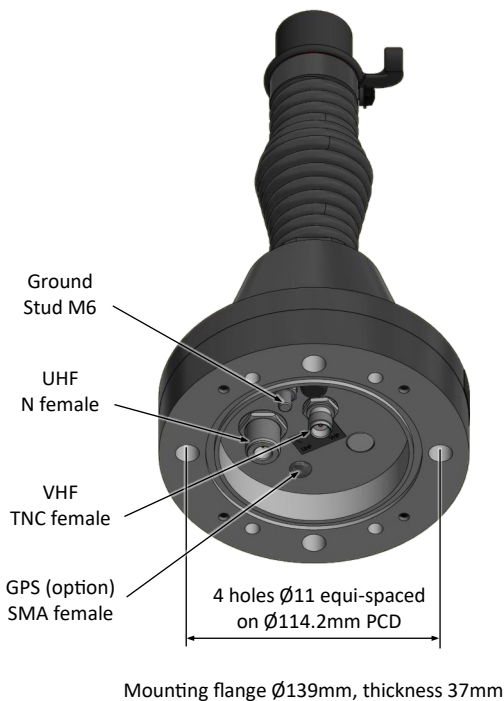


Isolation [dB]



Base Details & Connections

Base height 262mm (standard)
266mm with GPS option



CEF connection
on top of the base

Optional GPS Electrical Specification

	L1 GPS	L2 GPS
Frequency Band	1575.42 ± 10 MHz	1227.60 ± 10 MHz
Supply Voltage	2.7-5.5V	2.7-5.5V
Pre-amplifier	26.5 dB @ 5V	26.5 dB @ 5V
Noise Figure	2.5dB	2.5dB
Supply Current	< 60mA	< 60mA
Polarisation	RHCP	RHCP