

Features:

- 30-88 MHz & 225-512 MHz, GPS option
- 2-ports version for VHF and UHF
3-port version for VHF, UHF and GPS
- Suitable for operation on platforms, shelters, masts or other permanent installations.
- Rugged high quality antenna with a durable construction
- NATO flange base with spring.
- Mast mount bracket option
- UHF antenna dipole element located at the top of the whip for maximum range. VHF monopole requires a ground plane

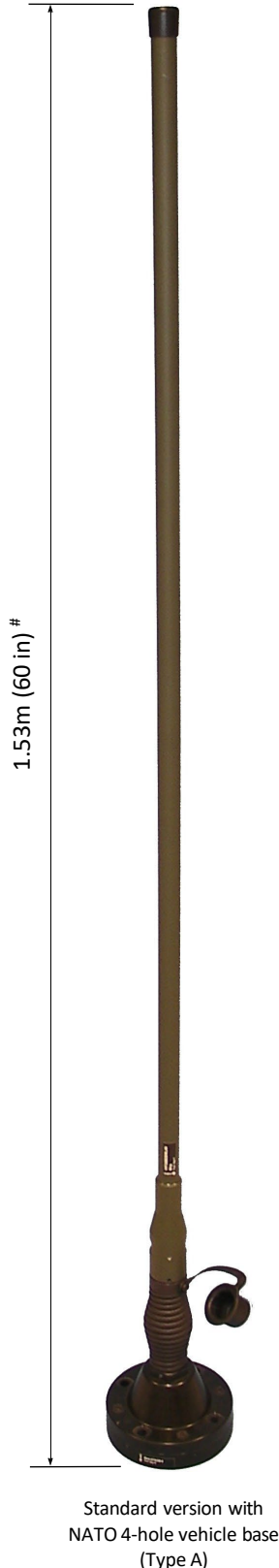
Electrical specification

	VHF30512DB	VHF30512DB-GPSL1L2
Frequency range	VHF: 30-88 MHz UHF: 225-512 MHz	VHF: 30-88 MHz UHF: 225-512 MHz GPS: L1/L2 1575/1227
VSWR	VHF: < 3.5 UHF: < 3.5	
Port-to-port isolation	> 35dB	
Nominal impedance	50 Ohm	
Power rating	VHF: 100W CW UHF: 50W CW	
Gain	VHF: -5 to 1 dB rel. ¼-whip UHF: -3 to 1.5 dBi	
Radiation pattern	Horizontal plane: Omni-directional	
Polarization	Vertical	
Connector	VHF: BNC (f) UHF: BNC (f)	VHF: TNC (f) UHF: N (f) GPS: SMA (f)

Mechanical specification

Design	VHF: End feed monopole. UHF: Center feed dipole. Radiating element completely enclosed in epoxy/ fiberglass laminate. Metal parts are brass and stainless steel.	
Length #	1.53m	1.56m
Weight	Whip: 1.1kg Base: 2.44kg	Whip: 1.1kg Base: 2.6kg
Wind rating	55m/s	
Finish	Polyurethane lacquer	
Temperature range	-55°C to +71°C, -67°F to +160°F	

Nominal dimensions subject to manufacturing tolerances.

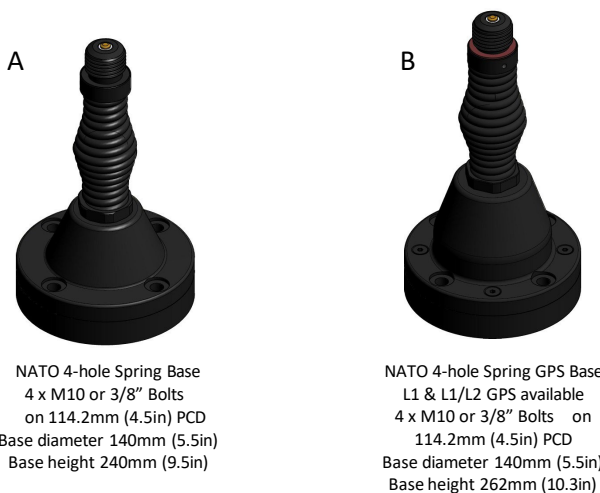


Electrical Specification (optional GPS)

Configuration	L1 GPS	L1/L2 GPS
Frequency Band	1575.42 ± 10 MHz	L1 1575.42 ± 10 MHz L2 1227.60 ± 10 MHz
Supply Voltage	2.7-5.5V	2.7-5.5V
Pre-amplifier	25 dB @ 5V	25 dB @ 5V
Supply Current	< 60mA	< 60mA
Polarisation	RHCP	RHCP
Connector	SMA female	SMA female

Vehicle and shelter bases

Bases are available to suit most vehicle and shelter installations. Bases are available with optional L1/L2 GPS. All bases are supplied with a protective top cap.



Mast bracket kit (option)

A mast bracket option is available to suit mast and shelter installations. The mast bracket has a 50mm socket to interface with a mast or pole and is supplied with a radial kit to provide a groundplane for the VHF (monopole) part of the antenna.

