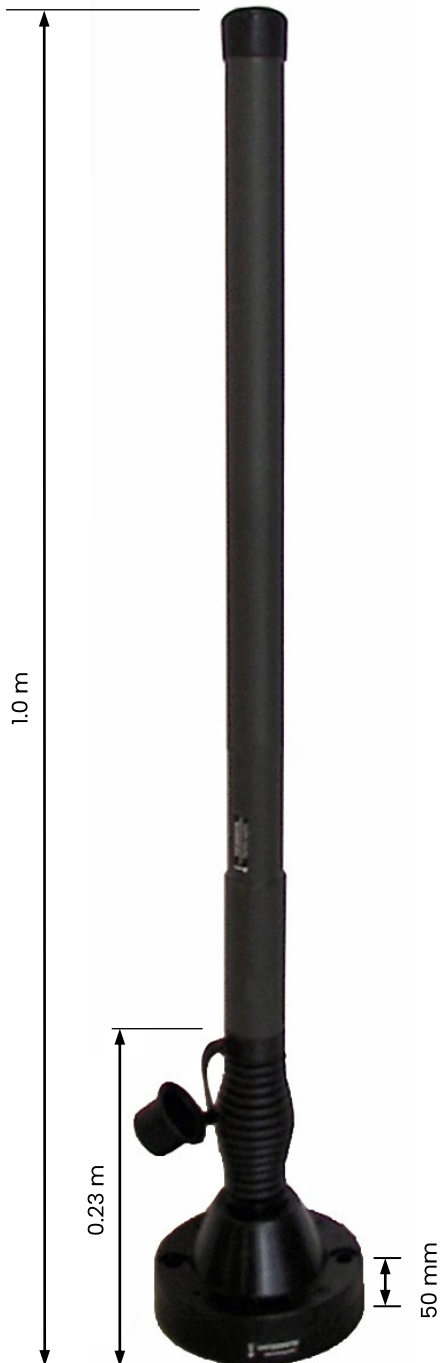


## VHF30512LP-1

VHF/UHF vehicle whip, monopole, low profile, 1 m, 30–512 MHz

### Tactical Antennas: Vehicle Mount



Standard NATO  
4-hole base

### Features

- Low profile design
- 30–512 MHz
- Single connector VHF/UHF
- Designed for operation on all kinds of vehicles including armoured 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 4-hole flange base with spring
- Requires a ground plane
- L1/L2 GPS base option available

### Electrical Specifications

<b>Frequency Range</b>	VHF/UHF: 30–512 MHz
<b>VSWR</b>	VHF/UHF: < 3.5:1 (see graph)
<b>Nominal Impedance</b>	50 $\Omega$
<b>Power Rating</b>	VHF/UHF: 75 W
<b>Gain</b>	VHF/UHF: -17 to -2 dBi (see graph)
<b>Radiation Pattern</b>	Omnidirectional within $\pm 0.5$ dB
<b>Polarisation</b>	Vertical
<b>Connector</b>	BNC female* (others on request)

### Mechanical Specifications

<b>Design</b>	VHF/UHF End feed monopole. Radiating elements completely enclosed in epoxy/fibreglass laminate. Metal parts are brass, stainless steel and aluminium
<b>Length*</b>	1 m
<b>Weight*</b>	Whip: 1.3 kg Base: 2.6 kg
<b>Wind Rating</b>	55m/s
<b>Finish</b>	Polyurethane lacquer
<b>Temperature Range</b>	- 55°C to + 71°C

\* Standard base version

## GPS Electrical Specifications (option)

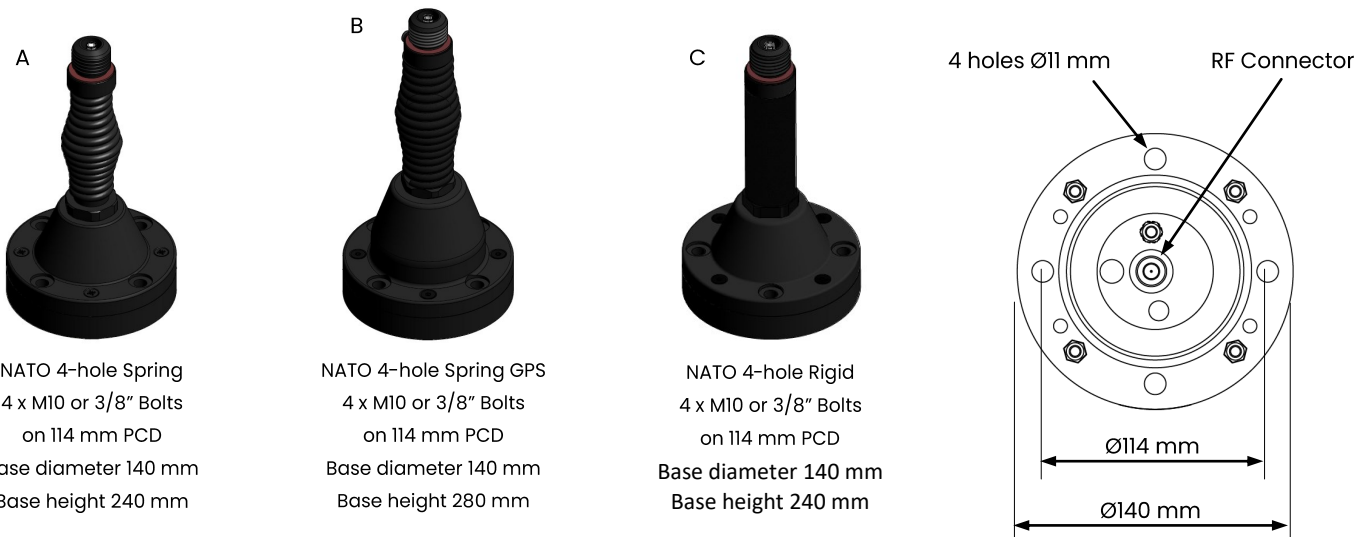
Configuration	L1 GPS	L1/L2 GPS
Frequency Band	1575.42 ± 10 MHz	L1 1575.42 ± 10 MHz L2 1227.60 ± 10 MHz
Supply Voltage	2.7-5.5 V	2.7-5.5 V
Pre-amplifier	26.5 dB @ 5 V	26.5 dB @ 5 V
Noise Figure	2.5 dB	2.5 dB
Supply Current	< 40 mA	< 60 mA
Polarisation	RHCP	RHCP
Connector	SMA female	SMA female



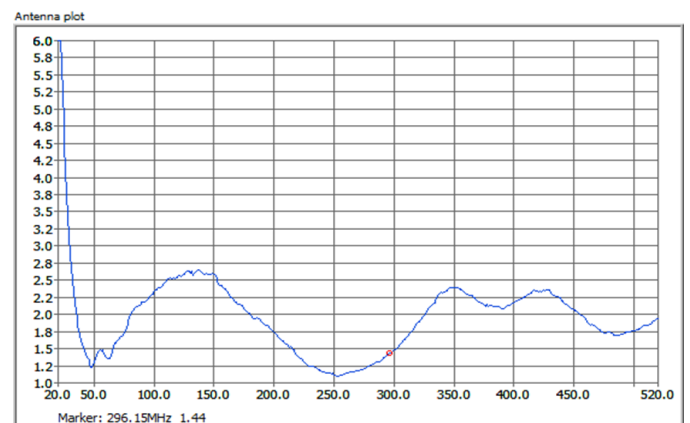
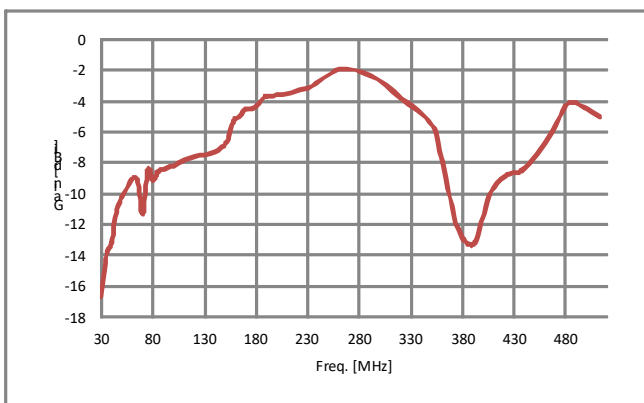
CEF connection  
(top of the base)

## Antenna Base Options

Bases are available with optional L1 and L1/L2 GPS. All bases are supplied with a protective top cap (not shown).



## Gain and VSWR Curves



September 2018

All specifications are subject to change without notice  
The information contained herein is for reference only and does not constitute a warranty of performance

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