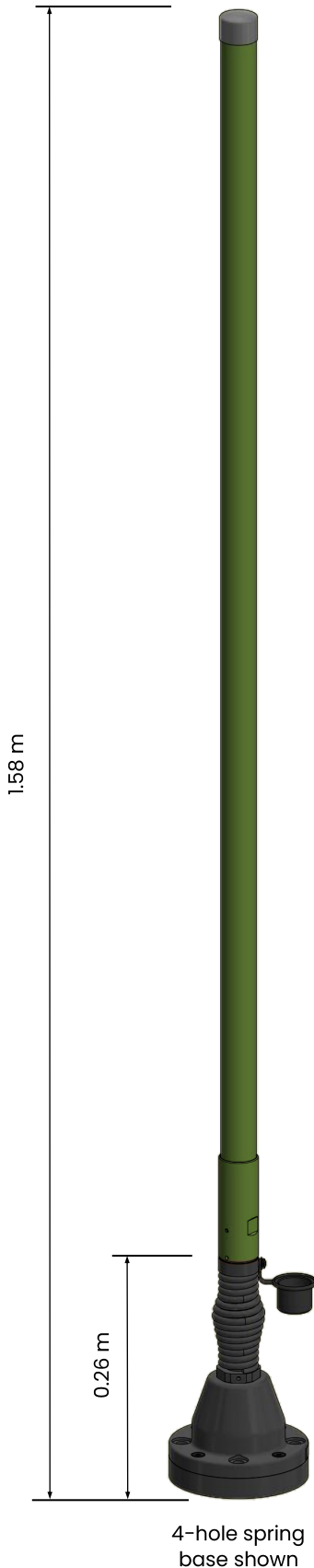


VHF302700DB

VHF/UHF vehicle whip, monopole/dipole, 1.58 m,
30-512 MHz, 280-2700 MHz

Tactical Antennas: Vehicle Mount



Features

- 30-512 MHz and 280-2700 MHz
- 2-ports for VHF and UHF (3-ports with optional GPS)
- 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 flange base with spring
- UHF antenna element located at the top of the whip for maximum range
- VHF requires a ground plane
- L1/L2 GPS option

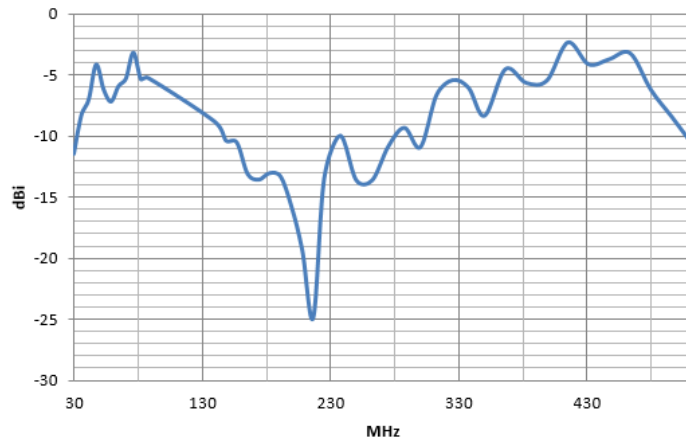
Electrical Specifications

Frequency Range	VHF: 30-512 MHz UHF: 280-2700 MHz
VSWR	VHF: < 3.5 UHF: < 3.5
Port-to-Port Isolation	> 12 dB
Nominal Impedance	50 Ω
Power Rating	VHF: 75 W CW UHF: 25 W CW
Gain	VHF: -8 .. 1 dB rel. ¼-whip UHF: ~ 0 dBi
Radiation Pattern	Horizontal plane: Omnidirectional
Polarisation	Vertical
Connector	VHF: TNC Female UHF: N Type Female GPS: SMA Female (Option)

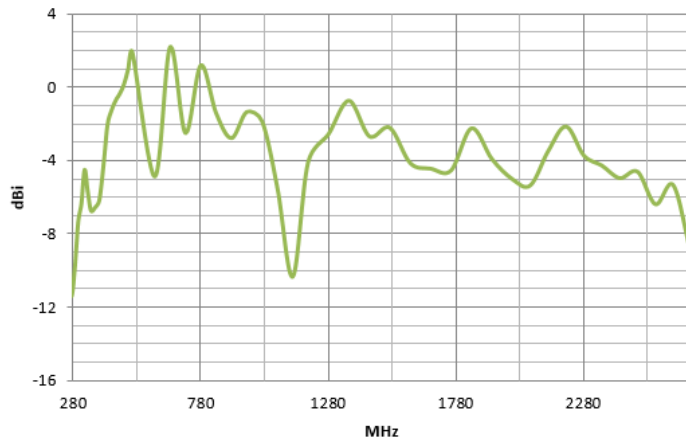
Mechanical Specifications

Design	VHF: End feed monopole. UHF: Dipole elements. Radiating element completely enclosed in epoxy/fibreglass laminate. Metal parts are brass and stainless steel.
Length	1.56 m
Weight	Whip: 1.1 kg Base: 2.6 kg
Wind Rating	55m/s
Finish	Polyurethane lacquer
Temperature Range	- 55°C to + 71°C

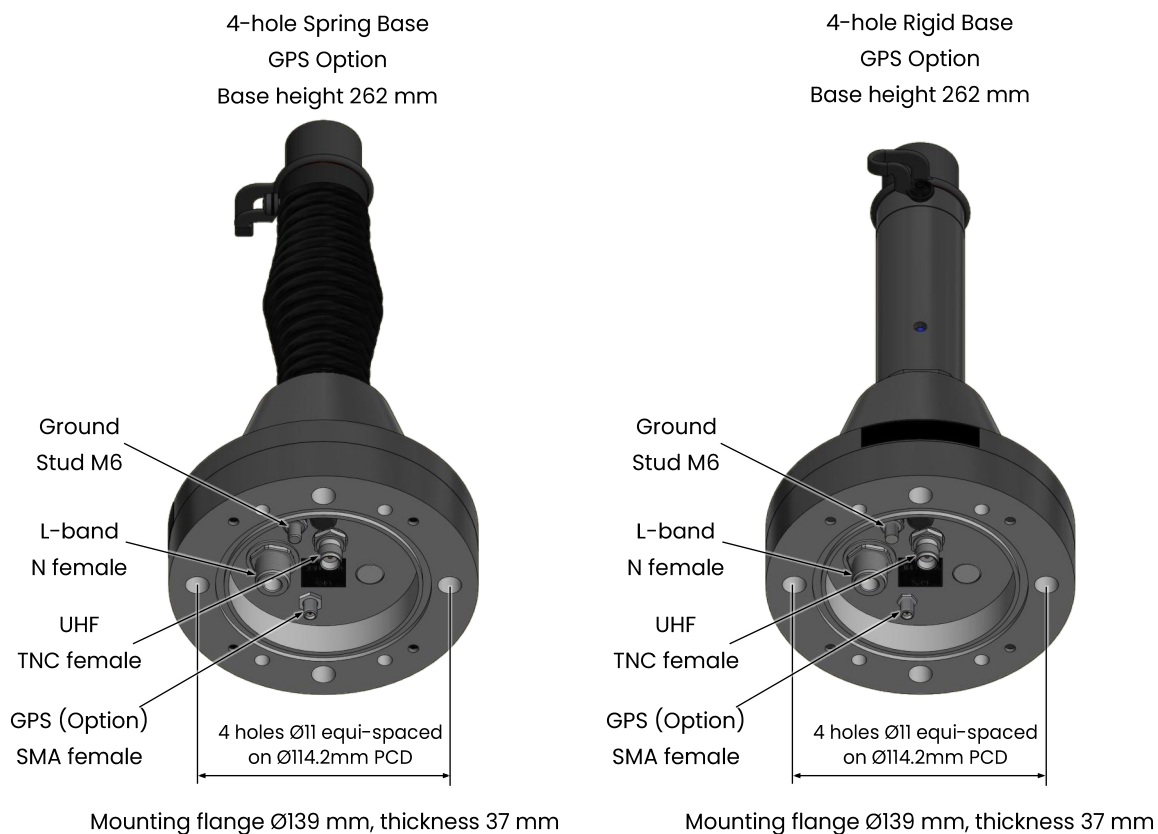
Gain - VHF (typical)



Gain - UHF (typical)



Base Details and Connections



GPS Electrical Specification (Option)

	L1 GPS	L1/L2 GPS
Frequency Band	1575.42 \pm 10 MHz	1227.60 \pm 10 MHz 1575.42 \pm 10 MHz
Power Supply	2.7–5.5 V @ <60 mA, + centre	2.7–5.5 V @ <60 mA, + centre
Amplifier Gain	25 dB, GPS	25 dB, GPS
Pre-amplifier	26.5 dB @ 5 V	26.5 dB @ 5 V
Noise Figure	2.5 dB	2.5 dB
Polarization	RHCP	RHCP



CEF connection on top of the base

February 2021

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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