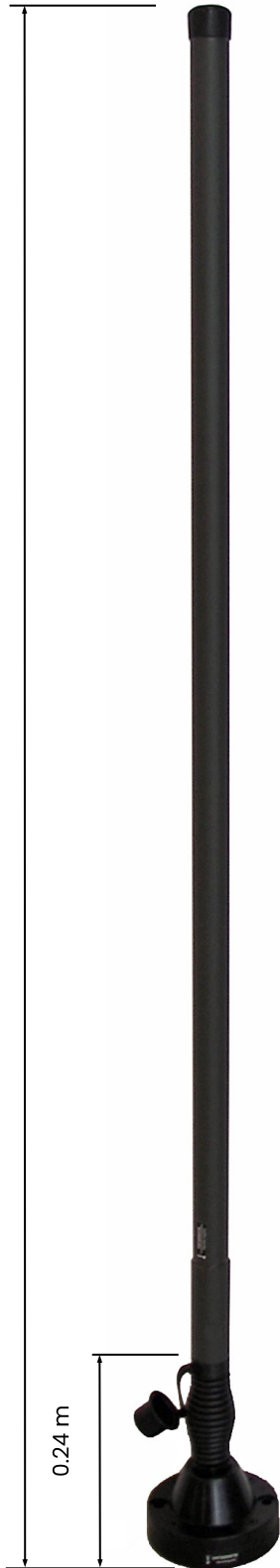


## VHF302600TB

VHF/UHF/L Band vehicle whip, tri-band, monopole/dipole/dipole, 1.56 m, 30-88 MHz, 225-450 MHz, 1200-2600 MHz

### Tactical Antennas: Vehicle Mount



\*Standard Base  
(GPS base option  
available)

### Features

- Unique tri-band design (patented)
- 30-88 MHz, 225-450 MHz and 1200-2600 MHz
- 3 connectors, VHF, UHF and L-S band
- High isolation between ports
- 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 dipole and L-S band antenna elements are located high up in the whip for maximum range. VHF requires a ground plane
- Optional single connector version with external triplexer
- Optional L1/L2 GPS installed in antenna base

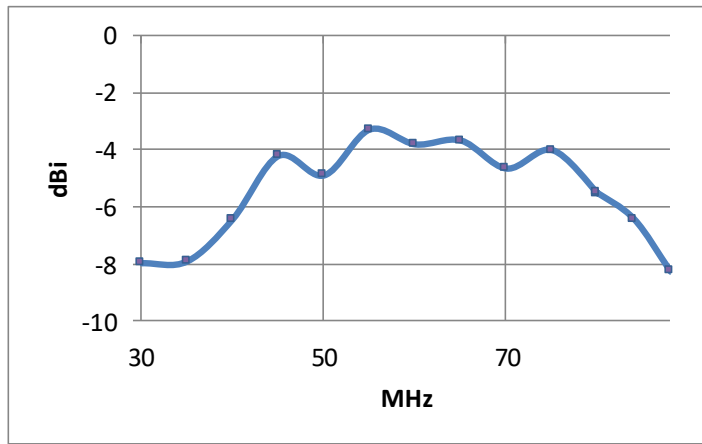
### Electrical Specifications

<b>Frequency Range</b>	VHF: 30-88 MHz UHF: 225-450 MHz L-S band: 1200-2600 MHz GPS (option): L1 - 1575.42 ± 10 MHz L2 - 1227.60 ± 10 MHz
<b>VSWR</b>	VHF: < 3.5:1 UHF: < 3.0:1 L-S band: < 3.0:1
<b>Port-to-Port Isolation</b>	> 40 dB within bands (three connector base)
<b>Nominal Impedance</b>	50 Ω
<b>Power Rating</b>	VHF: 75 W, UHF: 75 W, L-S band: 50 W
<b>Gain</b>	See graphs overleaf
<b>Radiation Pattern</b>	Omnidirectional within ± 2 dB
<b>Polarisation</b>	Vertical
<b>Connectors</b>	VHF: BNC female, UHF: BNC female, L-S band: N female Single connector (option): N female GPS (option): SMA female

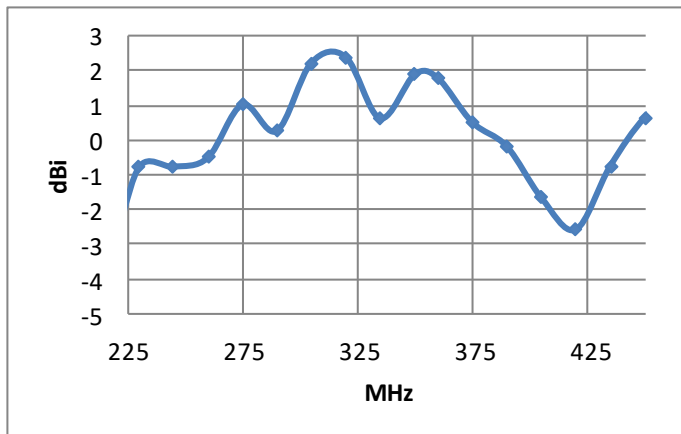
### Mechanical Specifications

<b>Design</b>	VHF: End feed monopole. UHF: Dipole. L-S band dipole elements. Radiating elements completely enclosed in epoxy/fibreglass laminate. Metal parts are brass, aluminium and stainless steel.
<b>Length*</b>	1.49 m
<b>Weight*</b>	Whip: 1.3 kg, Base: 2.6 kg
<b>Wind Rating</b>	55m/s (201 kph)
<b>Finish</b>	Polyurethane lacquer
<b>Temperature Range</b>	- 55°C to + 71°C

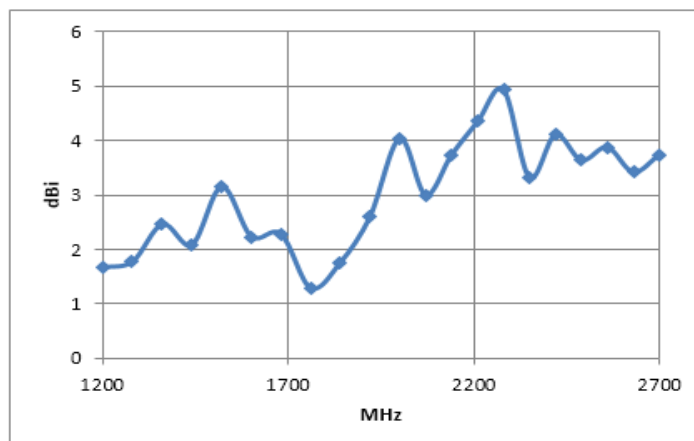
## Gain Curves



VHF gain, dBi, in the centre of 1.2 x 1.2 m ground plane.  
Gain will improve significantly on a 3 x 3 m ground plane

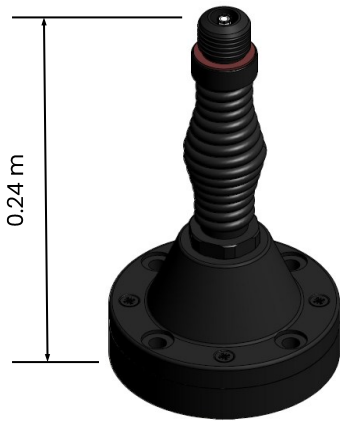


UHF gain, dBi

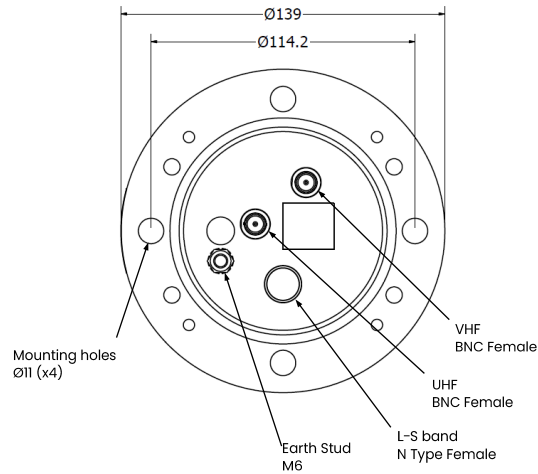


L-S band gain, dBi

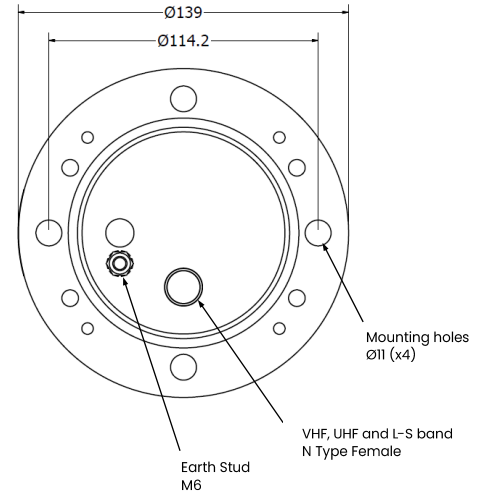
## Nato 4-Hole Base



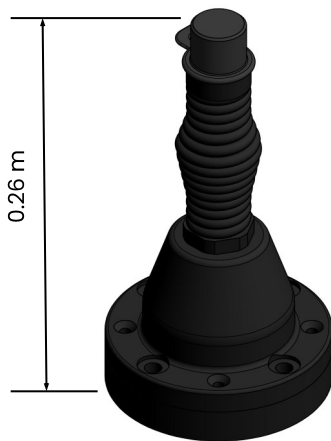
**VHF302600TB  
(three connector)**



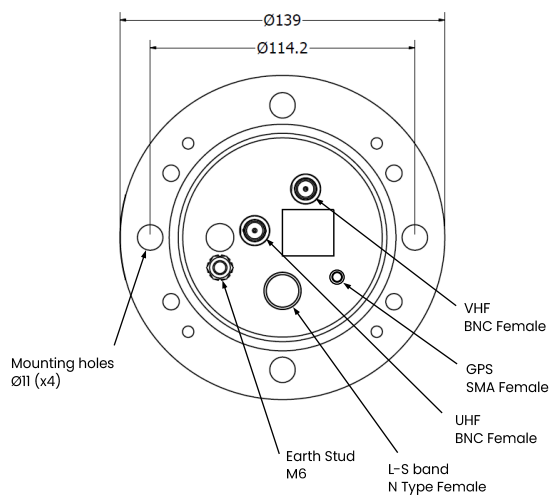
**VHF302600TB-S  
(single connector)**



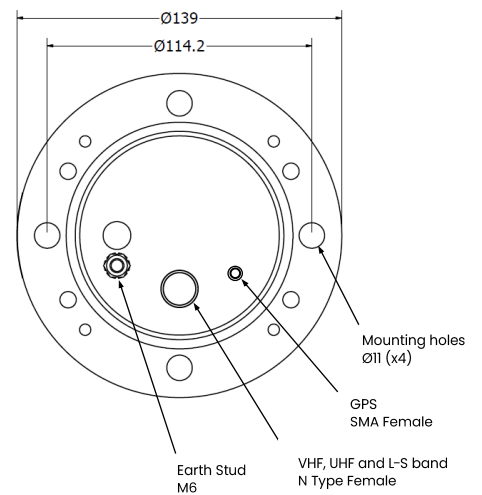
## Nato 4-Hole GPS Base



**VHF302600TB  
(three connector + GPS)**



**VHF302600TB-S  
(single connector + GPS)**



## GPS Electrical Specifications

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

October 2021

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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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[sales@eylex.com.au](mailto:sales@eylex.com.au)  
[www.eylex.com.au](http://www.eylex.com.au)

