

### Application:

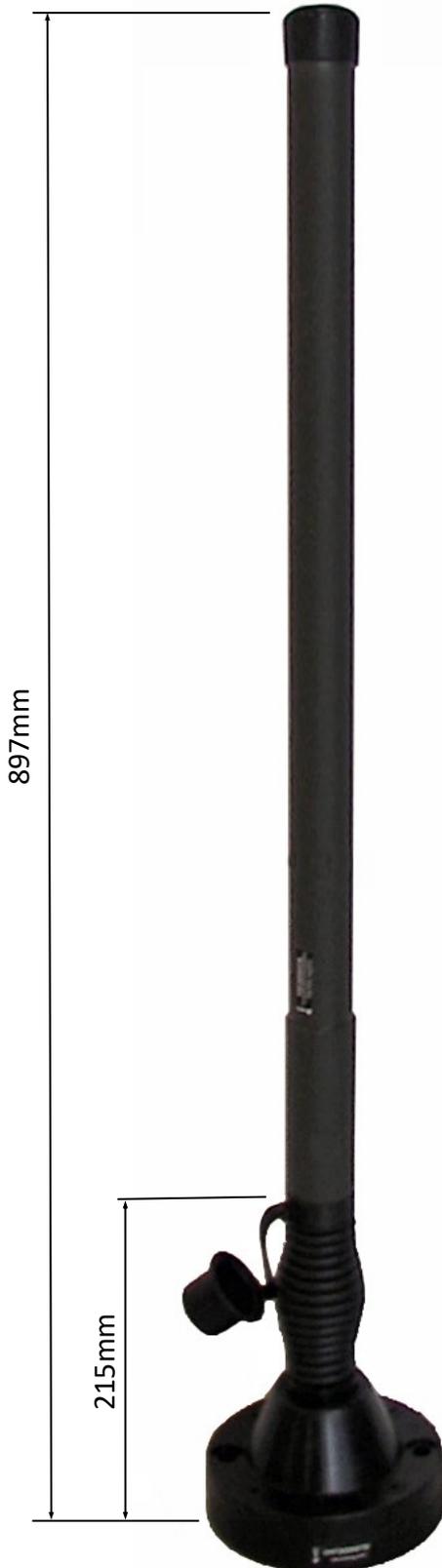
- Ultra broadband 225-2000 MHz
- No tuning required, high efficiency across the complete band
- Dipole design, ground plane independent
- Designed for operation on all kinds of vehicles including armoured
- Suitable for operation on shelters and masts or in other permanent installations
- Rugged high quality antenna with a durable construction
- NATO flange base with spring (options available)
- GPS base option available

### Electrical specifications:

Frequency range	225-2000MHz
VSWR	< 3.5:1
Nominal impedance	50 ohm
Power rating	100 W
Gain	Average 2 dBi
Radiation pattern	Azimuth: Omnidirectional Vertical: Dipole pattern
Polarisation	Vertical
Connector	N female (options available)

### Mechanical specifications:

Design	Centre fed dipole. Radiating element completely enclosed in epoxy/fiberglass laminate. Metal parts are brass, aluminum and stainless steel.
Length	0.875 m, with spring base
Weight	Whip: 1.1kg Base: 2.2kg
Wind rating	55 m/s = 125 mph
Finish	Polyurethane lacquer, olive drab.
Temperature range	-55 °C, +71°C; -67 °F, +160 °F



## Antenna Base Options

Bases are available to suit most installations including vehicle, mast and shelter mounting. Many are available with optional L1 & L1/L2 GPS. All bases are supplied with a protective top cap. See below for mounting options:-



**A**  
NATO 4-hole Spring  
4 x M10 or 3/8" Bolts  
on 114mm PCD  
Base diameter 140mm  
Base height 215mm



**B**  
NATO 4-hole Spring GPS  
4 x M10 or 3/8" Bolts  
on 114mm PCD  
Base diameter 140mm  
Base height 240mm



**C**  
NATO 4-hole Rigid  
4 x M10 or 3/8" Bolts  
on 114mm PCD  
Base diameter 140mm  
Base height 100mm



**D**  
NATO 4-hole Rigid GPS  
4 x M10 or 3/8" Bolts  
on 114mm PCD  
Base diameter 140mm  
Base height 125mm



**E**  
General Purpose  
Bulkhead Adaptor  
Mounting hole  
diameter 22mm



**F**  
Mast Mount Bracket  
40mm Socket  
50mm Socket  
Customer Specified



**G**  
Mast Mount Bracket  
24mm Spigot  
40mm Spigot  
50mm Spigot  
Customer Specified

## GPS Electrical Specification

	L1 GPS	L1/L2 GPS
Frequency Band	1575.42 ± 10 MHz	1227.60 ± 10 MHz 1575.42 ± 10 MHz
Supply Voltage	2.7-5.5 V	2.7-5.5 V
Pre-amplifier	25 dB @ 5 V	26.5 dB @ 5 V
Noise Figure	2.5 dB	2.5 dB
Supply Current	< 20 mA	< 42 mA
Polarization	RHCP	RHCP
Connector	SMA female	SMA female