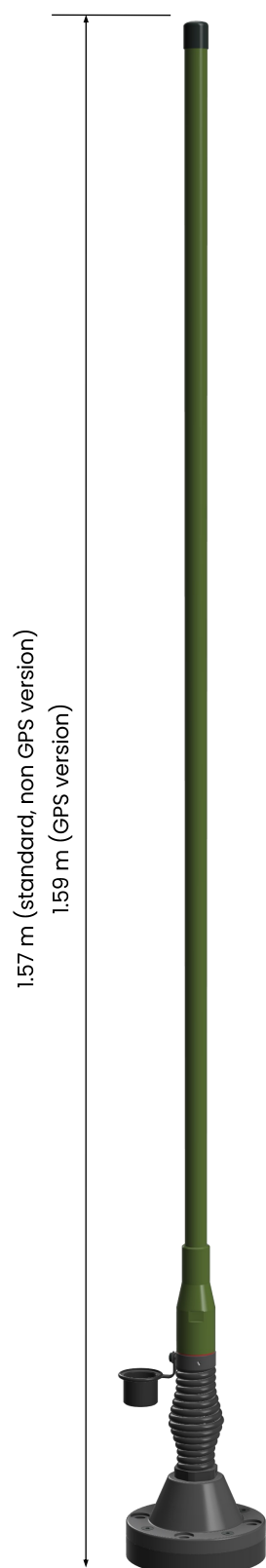


VHF30450DB Series

VHF/UHF vehicle whip, monopole/dipole, (GPS), 1.53 m,
30–88 MHz, 225–450 MHz

Tactical Antennas: Vehicle Mount



Shown with standard NATO 4-hole
spring base (non GPS)

Features

- 30–88 MHz and 225–450 MHz
- 2-ports, VHF and UHF
- Designed for operation on all modern in-service platforms
- Suitable for operation on shelters, masts or in other permanent installations
- Rugged high quality antenna with a durable construction
- NATO flange base with spring. Base options available
- UHF antenna element located at the top of the whip for maximum range
- VHF requires a ground plane
- Optional L1/L2 GPS

Electrical Specifications

Frequency Range	VHF: 30–88 MHz UHF: 225–450 MHz GPS: See option table
VSWR	VHF: < 3.5 UHF: < 3.5
Port-to-Port Isolation	> 35 dB
Nominal Impedance	50 Ω
Power Rating	VHF: 100 W CW UHF: 50 W CW
Gain	VHF: –4 .. +1 dB rel. ¼-whip UHF: –3 .. 1.5 dBi
Radiation Pattern	Horizontal plane: Omnidirectional
Polarisation	VHF and UHF: Vertical
Connector	VHF: BNC female (others available on request) UHF: BNC female (others available on request) GPS: SMA female (option)

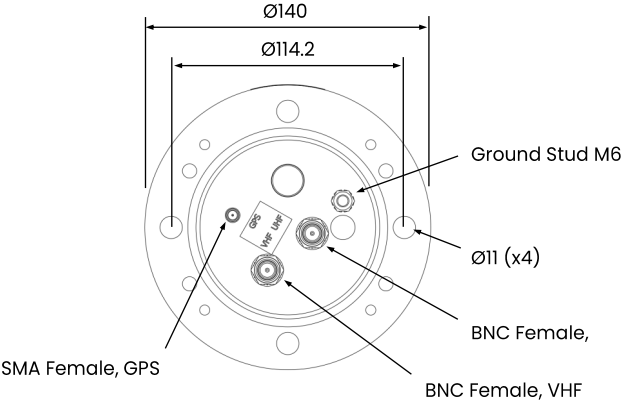
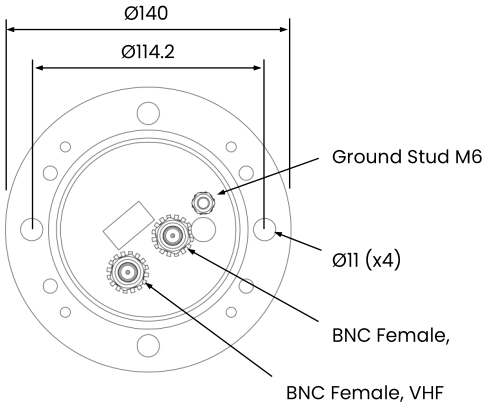
Mechanical Specifications

Design	VHF: End feed monopole. UHF: Centre feed dipole. Radiating element completely enclosed in epoxy/fibreglass laminate. Metal parts are brass and stainless steel.
Weight *	Whip: 1 kg Base: 2.45 kg
Wind Rating	55m/s
Finish	Polyurethane lacquer
Temperature Range	– 55°C to + 71°C

* NATO 4-hole spring base (non GPS)

Antenna Options

Description	Part Number	VHF Connector	UHF Connector	GPS Connector
Dual-Band 30-88 MHz 225-450 MHz Dual Feed	VHF30450DB	BNC Female	BNC Female	-
Dual-Band 30-88 MHz 225-450 MHz Dual Feed, L1/L2 GPS	VHF30450DB-GPSL1L2	BNC Female	BNC Female	SMA Female



Standard NATO 4-hole
spring base (non GPS)



NATO 4-hole
spring base with 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	2.7-5.5 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

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

Partnered Supplier



sales@eylex.com.au
www.eylex.com.au

