

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

Features

- 30-88MHz & 225-450MHz
- 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: 30-88MHz UHF: 225-450MHz GPS: See option table
VSWR	VHF: < 3.5 UHF: < 3.5
Port-to-port isolation	> 35dB
Nominal impedance	50Ω
Power rating	VHF: 100W CW UHF: 50W CW
Gain	VHF: -4 .. +1 dB rel. ¼-whip UHF: -3 .. 1.5 dBi
Radiation pattern	Horizontal plane: Omnidirectional
Polarization	VHF and UHF: Vertical
Connector	VHF: BNC female (others available on request) UHF: BNC female (others available on request) GPS: SMA female (option)

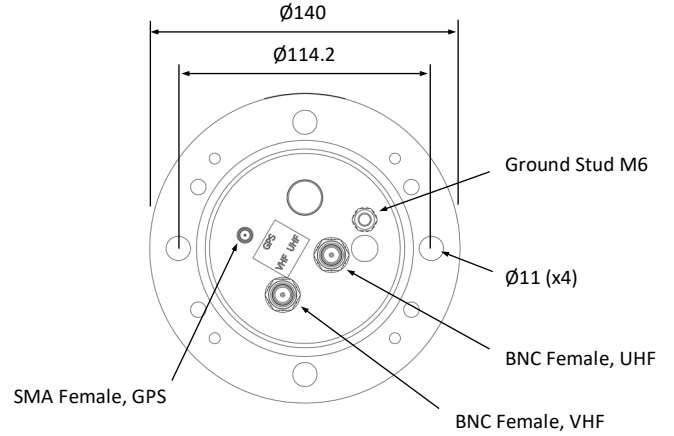
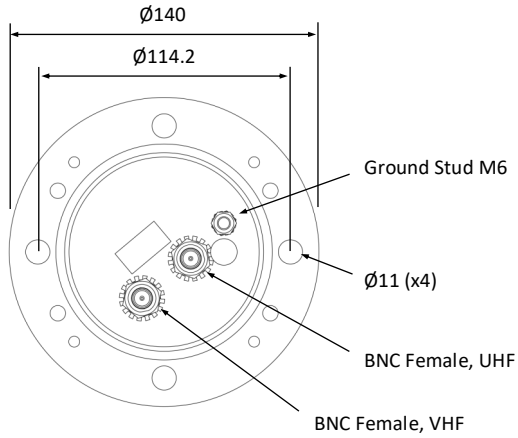
Mechanical specifications

Design	VHF: End feed monopole. UHF: Center feed dipole. Radiating element completely enclosed in epoxy/ fiberglass 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, -67°F to +160°F

* 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



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NATO 4-hole
spring base with GPS

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