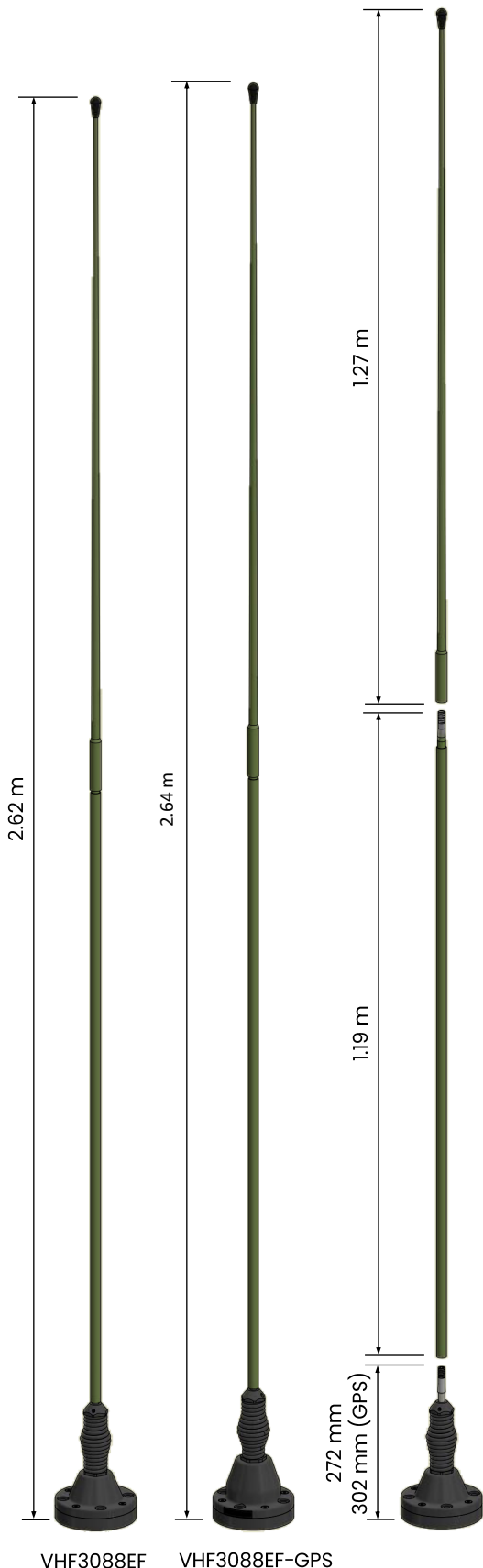


VHF3088EF Series

VHF sectional vehicle whip, monopole, 2.6 m, 30–88 MHz

Tactical Antennas: Vehicle Mount



Application

The VHF3088EF is a VHF vehicle antenna operating over the 30–88 MHz frequency band. It has been designed for use on all modern in-service military platforms, including armoured or soft skin, metal chassis or composite, wheeled or tracked. The antenna is a monopole design so requires a ground plane to operate.

Bases are available for vehicle, mast and fixed mounting with optional L1 and L1/L2GPS.

Electrical Specifications

Frequency Range	30–88 MHz
VSWR	see diagram, overleaf
Nominal Impedance	50 Ω
Power Rating	100 W CW
Gain	see diagram, overleaf
Radiation Pattern	Azimuth: Omnidirectional
Polarisation	Vertical
Connector	VHF: BNC female (others on request) GPS (option): SMA female

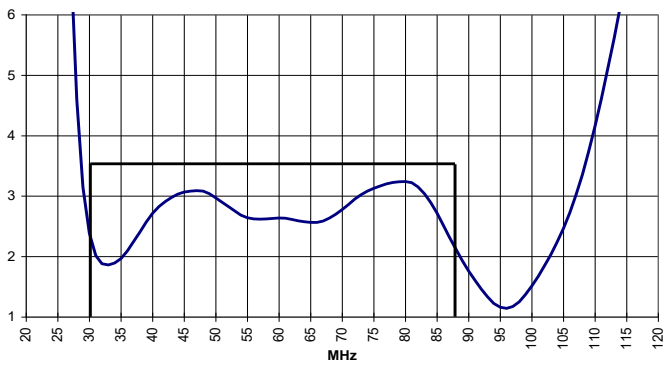
Mechanical Specifications

Design	End fed whip. Radiating elements completely enclosed in epoxy/fibreglass laminate. Metal parts are brass and stainless steel.
Length, Mounted	VHF3088EF: 2.62 m VHF3088EF-GPS: 2.64 m
Weight	2.7 kg
Wind Rating	55 m/s = 201 km/h
Finish	Polyurethane lacquer, olive drab Other colours on request
Temperature Range	- 55°C to + 55°C

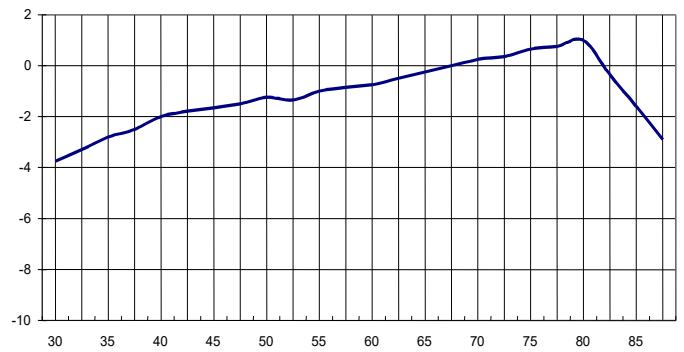
GPS Electrical Specifications

	L1 GPS	L1/L2 GPS
Frequency Band	1575.42 ± 10 MHz	1575.42 ± 10 MHz 1227.60 ± 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
Polarisation	RHCP	RHCP

VSWR

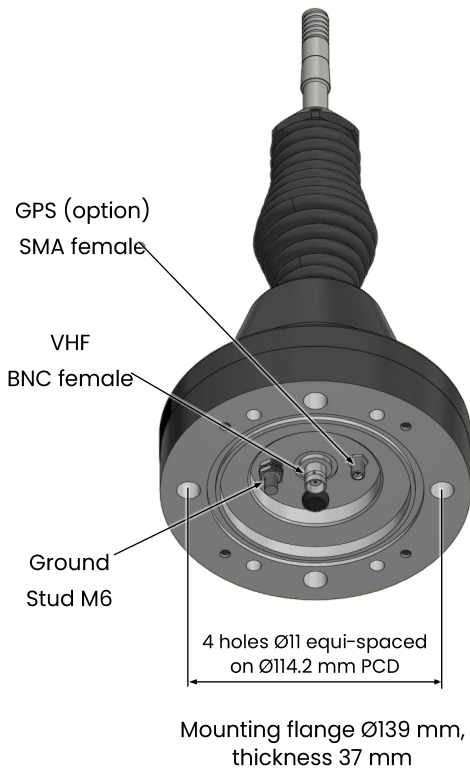


GAIN, relative ¼ whip



Base Options

Vehicle/Shelter Base
NATO 4-hole
Height 272 mm, 302 mm (GPS)



Vehicle/Shelter
NATO 50 mm
Height 258 mm



Elevated Mast Base
Height 219 mm



Shown with 24 mm mounting spigot.
Other spigot/sockets sizes available.
Antenna monopole design requires 3 x
3m conductive ground plane radials.

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



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