

VHF27512CEF/HP

VHF/UHF sectional vehicle whip, high power, monopole/dipole, 2.66 m, 27-512 MHz

Tactical Antennas: Vehicle Mount



General Description

The VHF27512CEF is an ultra wideband vehicle antenna designed for use on all modern in-service military platforms, including armoured or soft skin, metal chassis or composite, wheeled or tracked.

The novel design gives it an excellent gain and radiation pattern across the whole frequency range. The antenna needs no adjustment for different frequencies as all the tuning elements are within the whip. The high power capability of this antenna is particularly suited to jamming applications.

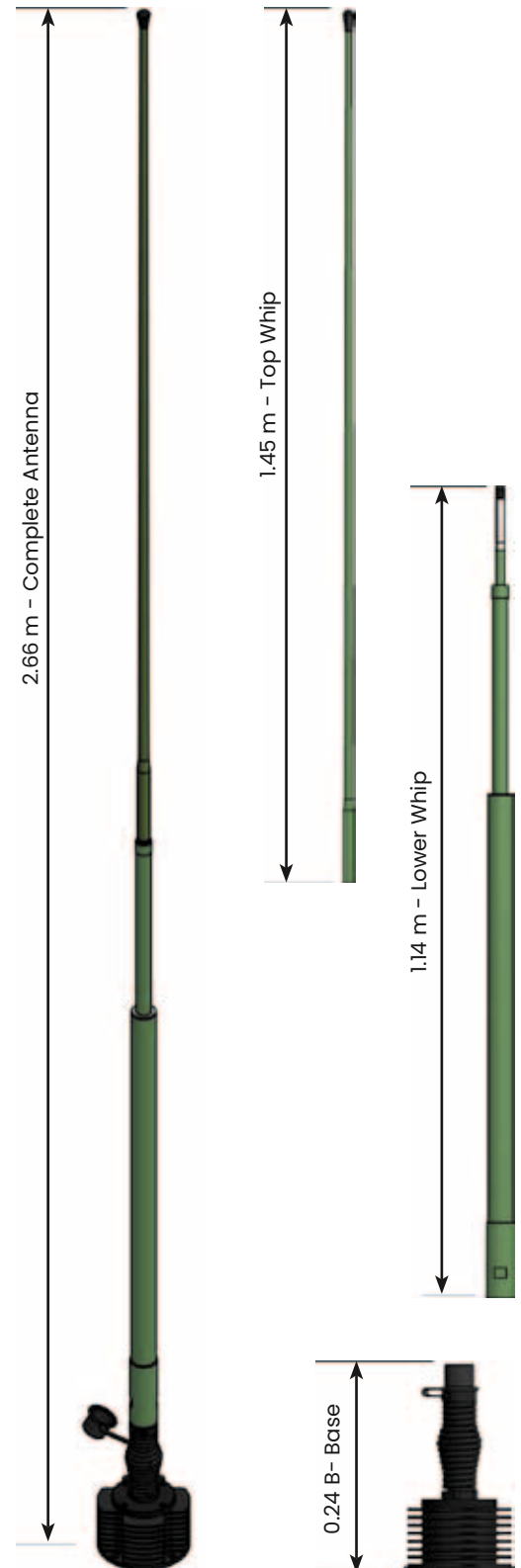
A standard NATO 4-hole spring base (NTS) is available as well as a NATO 4-hole rigid (NTR) base.

Electrical Specifications

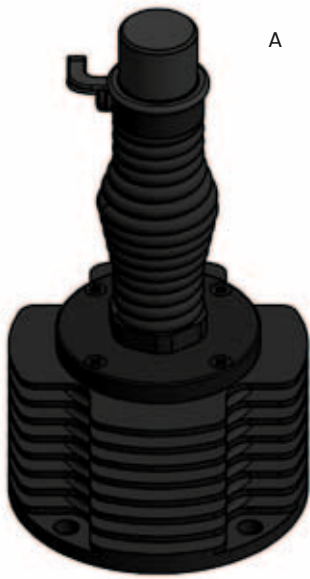
Frequency Range	27 - 512 MHz
VSWR	< 3.5
Nominal Impedance	50 Ω
Power Rating	200 W
Typical Gain	- 10 to + 3 dB relative $\frac{1}{4} \lambda$
Radiation Pattern Azimuth	Omnidirectional
Polarisation	Vertical
Connector	N female (others on request)

Mechanical Specifications

Construction	Centre fed dipole for UHF. End fed monopole for VHF. Radiating element completely enclosed in epoxy/fibreglass laminate. Metal parts are plated brass and stainless steel	
Length	Total	2.66 m
	Lower Whip	1.14 m
	Upper Whip	1.45 m
	Base	0.24 m
Weight	Total	4.25 kg
	Lower Whip	1.2 kg
	Upper Whip	0.3 kg
	Base	2.75 kg
Wind Rating	55 m/s = 201 km/h	
Finish	Polyurethane lacquer	
Temperature Range	- 55°C to + 71°C	
Installation	Standard 4 hole NATO pattern	



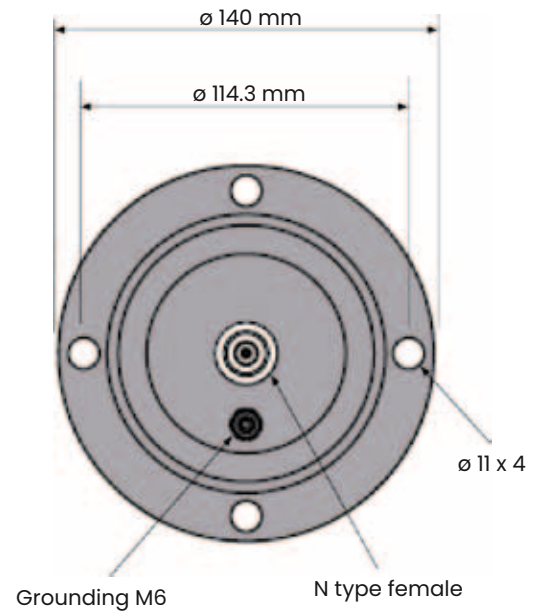
Base Options



A



B



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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

Partnered Supplier



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