

VHF30512CEF (040190-17)

VHF/UHF sectional vehicle whip, monopole/dipole, 2.65 m, 30-512 MHz

Tactical Antennas: Vehicle Mount



NSN: 5985-01-559-0074

Application

The VHF30512CEF 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.

Electrical Specifications

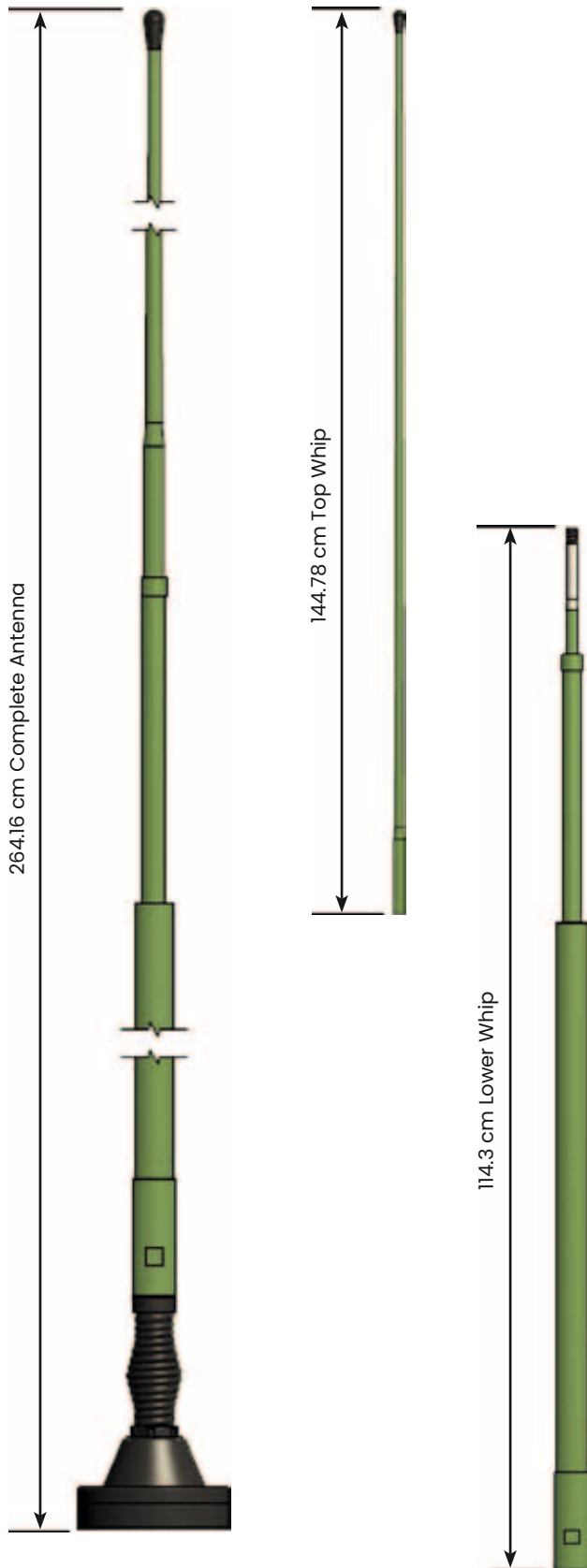
Frequency Range	30 - 512 MHz (30 - 88 MHz and 108 - 512 MHz)
VSWR	< 3.5
Nominal Impedance	50 Ω
Power Rating	50 W
Gain	- 4 dB to + 4 dB from 30 - 88 MHz - 9 dB to 0 dB from 108 - 512 MHz
Radiation Pattern	Azimuth: Omnidirectional
Polarisation	Vertical
Connector	BNC female (x2)

Mechanical Specifications

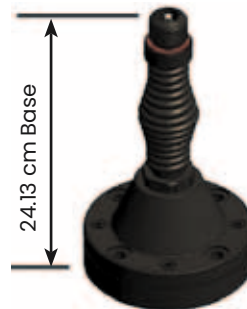
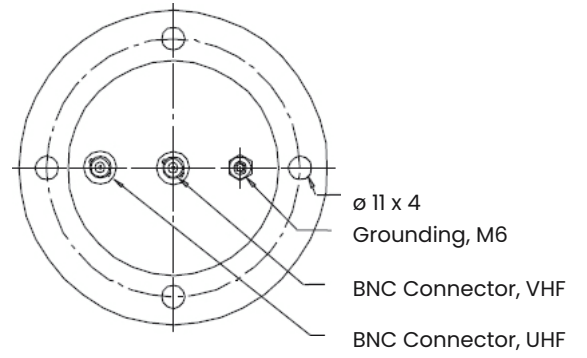
Design	End fed whip for VHF. Centre fed dipole for UHF. Radiating element completely enclosed in epoxy fibreglass laminate. Metal parts are plated brass and stainless steel.
Length <ul style="list-style-type: none">TotalLower WhipUpper WhipBase	264.16 cm 114.30 cm 144.78 cm 24.13 cm
Weight <ul style="list-style-type: none">TotalLower WhipUpper WhipBase	3.76 kg 1.18 kg 0.32 kg 2.27 kg
Wind Rating	55 m/s (201 km/h)
Finish	Polyurethane lacquer
Colour	383 Green or 686 Tan
Temperature Range	- 55°C to + 71°C



Mechanical Details



Electrical Connections



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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

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