

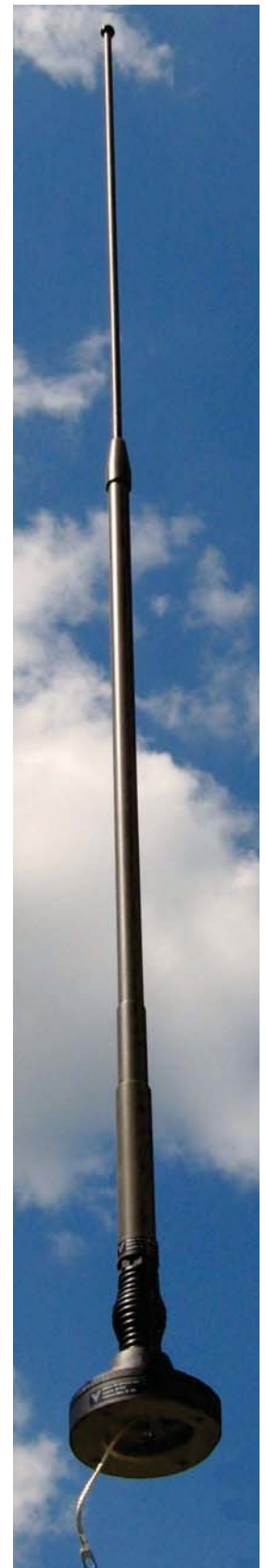
SWE-10-AD-18/D-3512 Rev. A

The antenna SWE-10-AD-18/D-3512 is a wideband mobile VHF/UHF antenna for frequency range from 25 to 512 MHz, mainly intended for use in heavy duty mobile applications.

The antenna is composed of three main parts: antenna base, lower and upper radiating element. The antenna base is made of aluminum and durable plastic materials. Inside the base is the matching circuitry and (optional) GPS antenna. Stainless steel spring absorbs the shocks and the vibrations, in addition protects the antenna against impacts. Both radiating elements are made of composite materials enable outstanding strength and roughness even in hardest conditions of use.

The antenna base has four mounting holes equally spaced on a 4.5" (114.3 mm) circle which complies with NATO standard. Different base plate dimensions are available on request.

The antenna radiator is painted with military green (RAL-6014) two-component UV resistant paint.



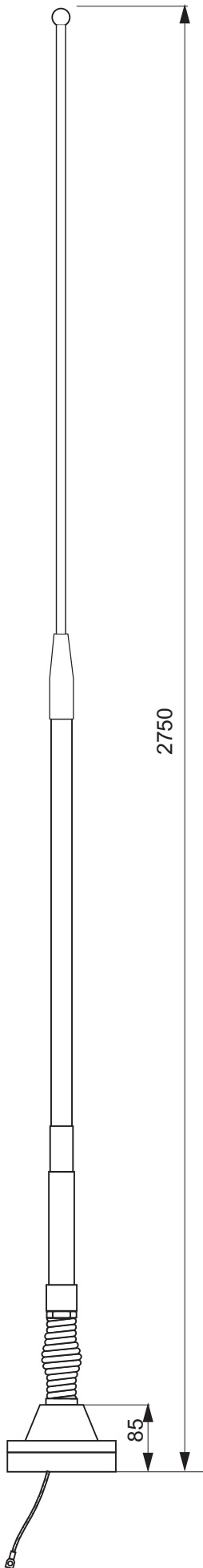
ELECTRICAL SPECIFICATIONS - VHF/UHF:	
Frequency range	25 - 512 MHz
Impedance	50 ohms
VSWR	< 3,5
Gain	typ. -6 +0.5 dB
Polarization	vert.
Maximum power	100 W CW
Connector	N female (BNC female optional)
ELECTRICAL SPECIFICATIONS - GPS:	
Frequency range	L1 1575.42 +/- 10 MHz
Impedance	50 ohms
VSWR	< 2
Polarization	RHC
Gain (LNA)	26 dB
Noise fig.	1.35 dB
Power supply	5 V DC +/- 0.25 V (max. 20 mA)
Connector	SMA female
MECHANICAL SPECIFICATIONS:	
Design	End fed whip (VHF/UHF); patch antenna with LNA (GPS)
Height	2.75 m
Weight	3.8 kg
Max. high voltage rating	16 kV
Temperature range - in use	-50 ... +55 °C
Temperature range - in stock	-55 ... +75 °C
Wind rating	45 m/s (160 km/h)
Color	MIL Green

VERSIONS:

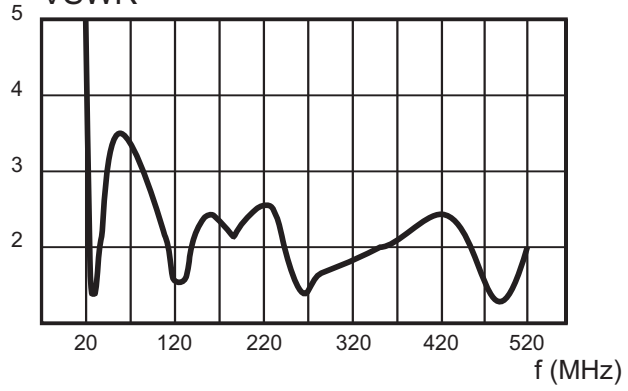
AD-18/D-3512: VHF/UHF antenna

AD-18/D-3512G: combined VHF/UHF and GPS antenna

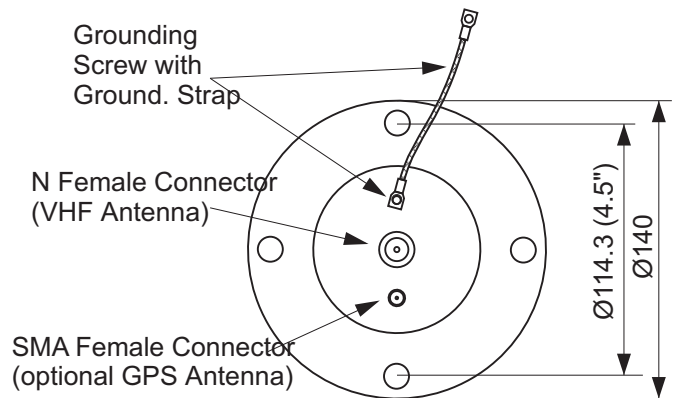
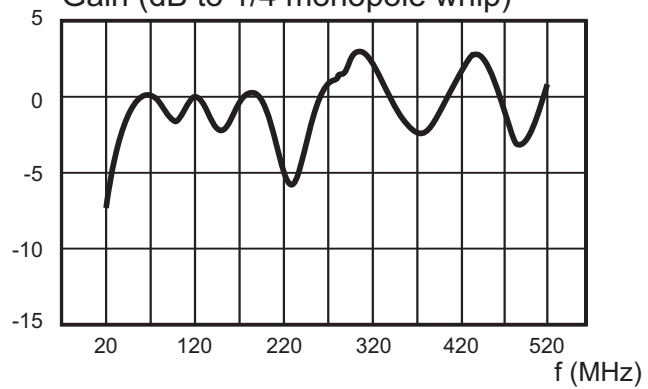
Contact email: enquiries@sysware-europe.com



VSWR



Gain (dB to 1/4 monopole whip)



ANTENNA BASE -
BOTTOM VIEW

Contact email: enquiries@sysware-europe.com



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