

The antenna AD-18/D-2512-HP is an ultra wideband mobile VHF/UHF antenna for frequency range from 20 to 512 MHz, mainly intended for use in high RF power jamming 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. 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	20 - 512 MHz
Impedance	50 ohms
VSWR	< 3,5
Gain	see Gain diagram
Polarization	vert.
Maximum power	200 W CW (AD-18/D-2512-HP) 400 W CW (AD-18/D-2512-HP2)
Connector	N female
MECHANICAL SPECIFICATIONS:	
Design	End-fed (VHF); Center-fed (UHF); Optional patch antenna with LNA (GPS)
Height	2.7 m
Weight	3.5 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:

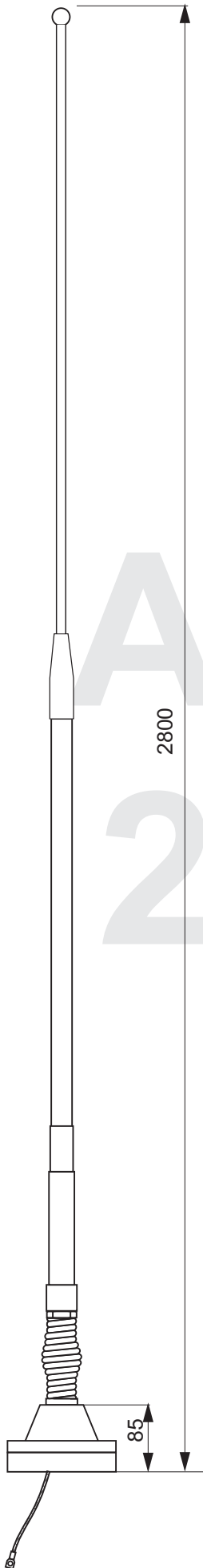
AD-18/D-2512-HP: VHF/UHF antenna 200 W

AD-18/D-2512-HP-G: VHF/UHF antenna 200 W and active GPS antenna

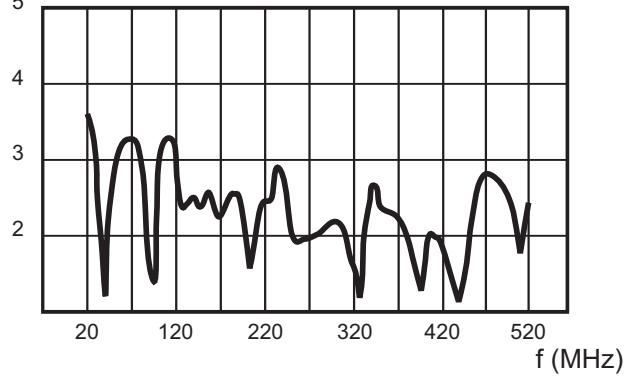
AD-18/D-2512-HP2: VHF/UHF antenna 400 W

AD-18/D-2512-HP2-G: VHF/UHF antenna 400 W and active GPS antenna

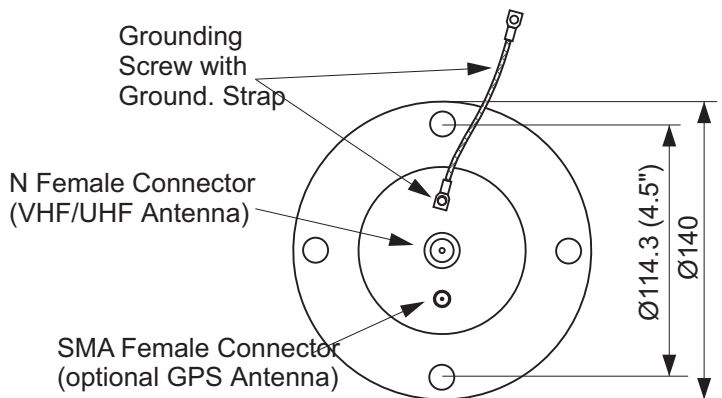
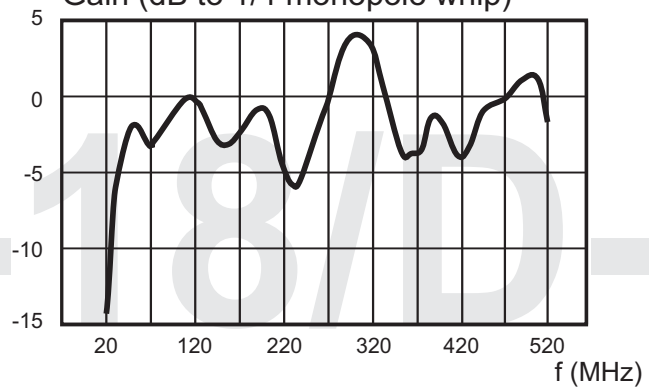




VSWR



Gain (dB to 1/4 monopole whip)



ANTENNA BASE -
BOTTOM VIEW