AUTHORIZED USA DISTRIBUTION BY:
Cyntony Corporation
195 Follen Road
Lexington, Massachusetts
sales@cyntony.com
781-430-0675

cyntony
customer attuned

TRIVAL ANTENE

AD-27/V120-3108

The antenna AD-27/V120-3108 is a wideband monopole mobile VHF antenna intended for frequency range from 30 to 108 MHz. The antenna is designed for maximum possible gain and acceptable low VSWR with extreme short radiating element. The antenna is therefore intended for use on smaller vehicles, motorcycles, etc.
The antenna is composed of two parts: the antenna base and the radiating element. The antenna base is made of aluminium and durable plastic materials. Inside the base is matching transformer unit for the VHF radiator and (optional) GPS antenna. Powerful biconical spring protects the antenna against impacts. The radiating element is made of composite materials enable outstanding strength 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 US army standard (AS-1729). Different base plate dimensions are also available on request.
The antenna is completely painted with military green (RAL-6014) two-component UV resistant paint.



ELECTRICAL SPECIFICATIONS - VHF:	
Frequency range	30 - 108 MHz
Impedance	50 ohms
VSWR	< 3,5
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
LNA Gain / Voltage / Current	18 dB (+/- 2 dB) / 5 V / 19 mA 16 dB (+/- 2 dB) / 3.5 V / 13 mA 10 dB (+/- 2 dB) / 2 V / 7 mA
Noise fig.	<1.5 dB
Connector	SMA female
MECHANICAL SPECIFICATIONS:	
Design	End fed whip (VHF)
Height	1.20 m
Weight	2.0 kg
Max. high voltage rating	16 kV
Temperature range - in use	-40 ... +75 °C
Temperature range - in stock	-55 ... +75 °C
Wind rating	55 m/s (200 km/h)
Color	MIL Green

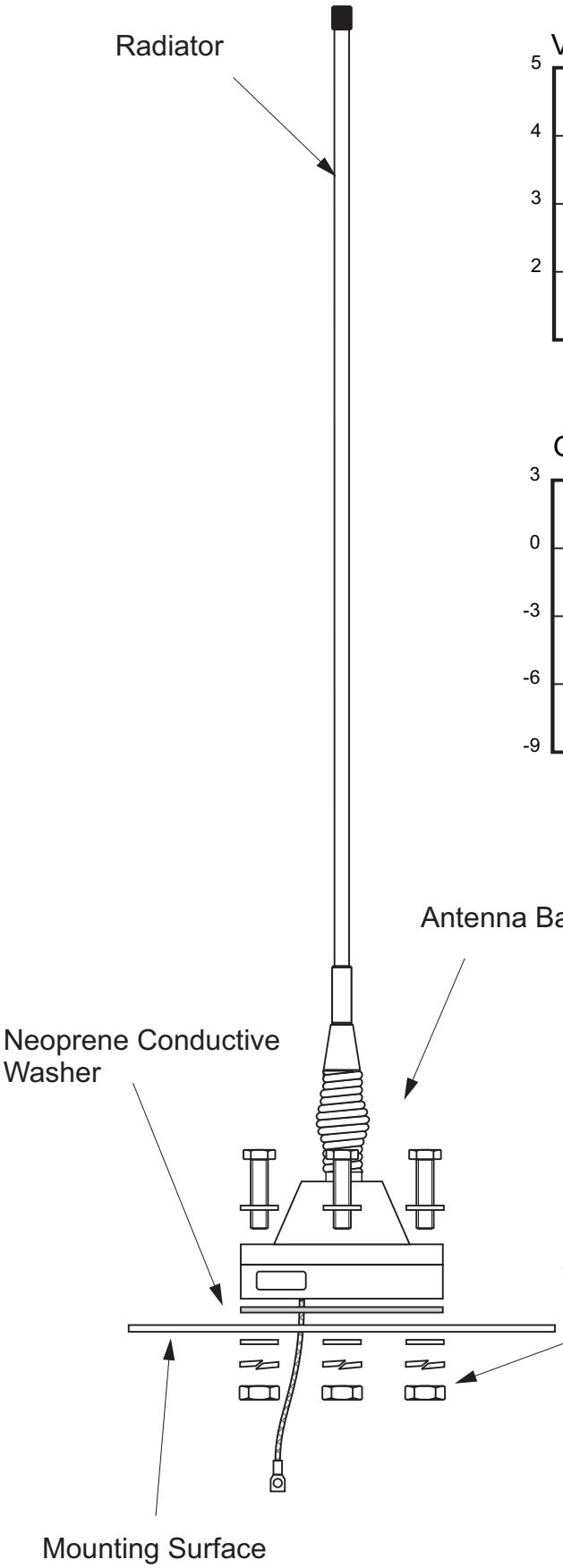
VERSIONS:

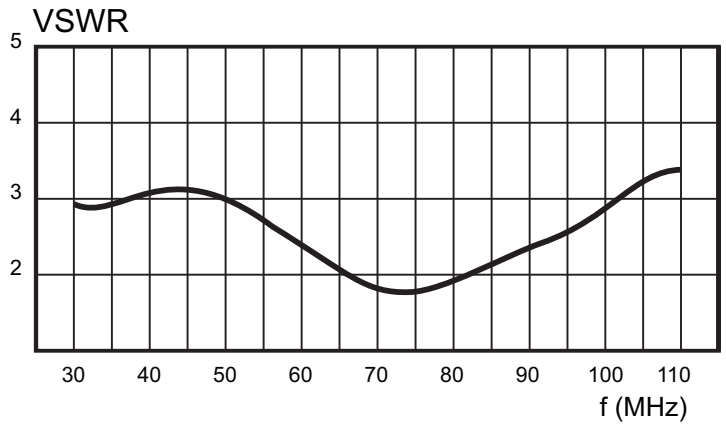
AD-27/V120-3108-N: VHF antenna with N female input connector
AD-27/V120-3108-G-N: VHF antenna with N female input connector and active GPS L1 antenna inside the antenna base
AD-27/V120-3108-BNC: VHF antenna with BNC female input connector.
AD-27/V120-3108-G-BNC: VHF antenna with BNC female input connector and GPS L1 antenna inside the antenna base

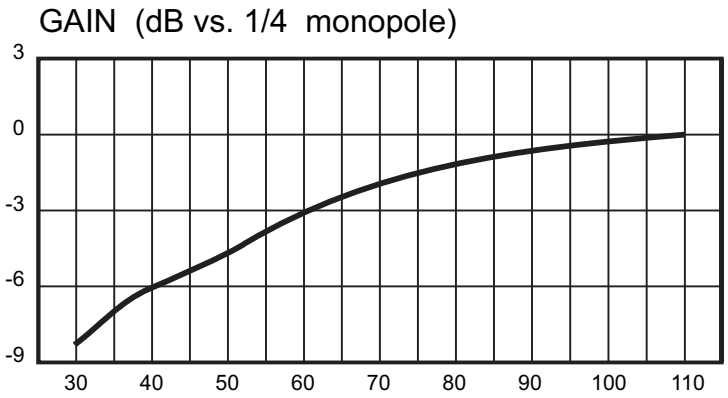


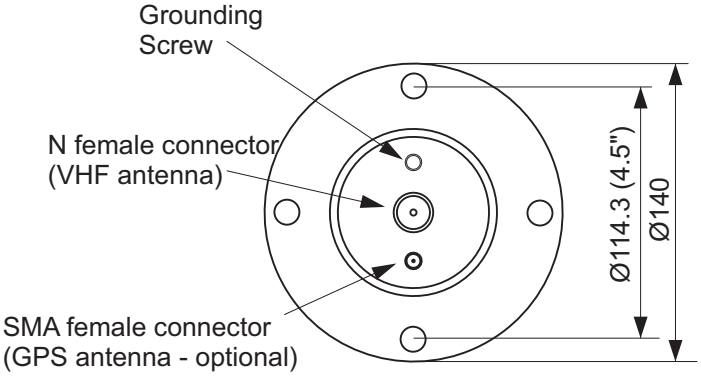
AUTHORIZED USA DISTRIBUTION BY:
Cyntony Corporation
195 Follen Road
Lexington, Massachusetts
sales@cyntony.com
781-430-0675

cyntony
customer attuned









AUTHORIZED USA DISTRIBUTION BY:
Cyntony Corporation
195 Follen Road
Lexington, Massachusetts
sales@cyntony.com
781-430-0675

cyntony
customer attuned