

World's Leading Manufacturer Of Fibreglass Whip Antennas



SPECIALISTS FOR VERY HIGH FREQUENCY

AS-3916/VRC

Low Profile Antenna

THE AS-3916/VRC IS A RUGGED, LOW PROFILE, BROADBAND VEHICULAR WHIP ANTENNA SYSTEM DESIGNED TO PROVIDE VHF COMMUNICATIONS FOR A RANGE OF TURRETED MILITARY VEHICLES.

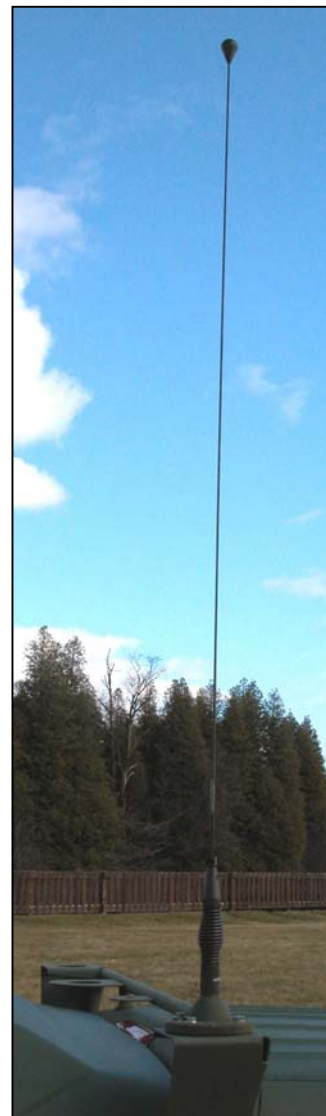
THE AS-3916/VRC CAN BE USED WITH ANY FREQUENCY AGILE RADIO THAT OPERATES WITHIN ITS 30-88 MHZ BAND. IT IS IDEAL FOR USE ON VEHICLES WHERE A TALLER WHIP, SUCH AS THE AS-3900A/VRC, IS UNDESIREABLE.

THE COMPLETE ANTENNA SYSTEM IS COMPRISED OF A THIN, SHORT, STAINLESS STEEL WHIP AND AN IMPEDANCE MATCHING UNIT BASE ALLOWING A CONTINUOUS TRANSMITTING POWER OF 100 WATTS WITH A MAXIMUM VSWR OF 3.5:1 OVER THE FREQUENCY BAND.

THE AS-3916/VRC FEATURES EMP (ELECTROMAGNETIC PULSE) AND HIGH VOLTAGE PROTECTION. HIGH VOLTAGE ISOLATION TO 20kVRMS OFFERS SAFETY TO PERSONNEL AND EQUIPMENT IN THE CASE OF ACCIDENTAL CONTACT WITH OVERHEAD POWERLINES.

FEATURES:

- BROADBAND
- EXTREMELY RUGGED AND RELIABLE
- BASE MOUNT FOR PLACEMENT FLEXIBILITY
- REDUCED HEIGHT COMPARED TO OTHER VHF WHIPS
- EASY ASSEMBLY/DISASSEMBLY



QUICK REFERENCE DATA

AS-3916/VRC

ELECTRICAL

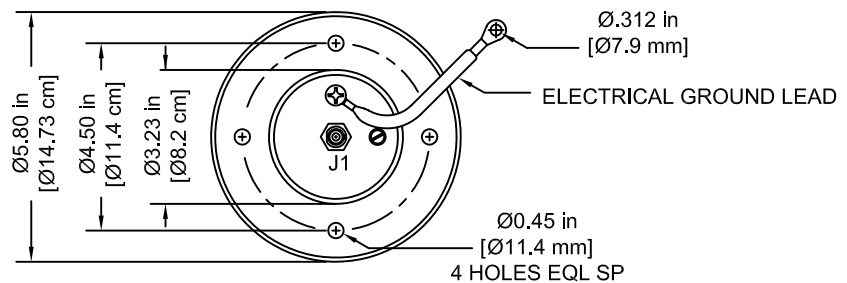
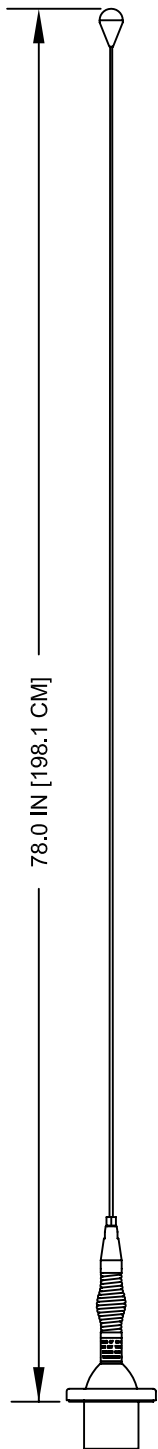
FREQUENCY RANGE	30-88 MHz
RADIATION PATTERN	OMNIDIRECTIONAL +/- 1dB
GAIN	-8 dB TO -1 dB RELATIVE TO RESONANT QUARTER WAVE MONOPOLES OVER 30 TO 88 MHz
VSWR	3.5:1 MAXIMUM
POLARIZATION	VERTICAL
POWER HANDLING	100 WATTS CONTINUOUS FOR 60 MIN
HIGH VOLTAGE PROTECTION	20kVrms
NOM INPUT IMPEDANCE	50 OHMS
INPUT CONNECTOR	BNC

MECHANICAL

WEIGHT	5.0 LBS (2.6 kG)
HEIGHT	78 INCHES (1.98 M)

ENVIRONMENTAL

TEMPERATURE	-60°F TO +160°F (-51°C TO +71°C)
VIBRATION	MIL-STD-810F, METHOD 514.5 PROCEDURE II, CATEGORY 5 AND PROCEDURE I, CATEGORY 20
WIND VELOCITY	50 MPH (80 KPH) OPERATING
ICE LOADING	1/2 INCH (13 MM) RADIAL
SHOCK	MIL-STD 810F, METHOD 522



BOTTOM VIEW



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