

World's Leading Manufacturer Of Fibreglass Whip Antennas



SPECIALISTS FOR ULTRA HIGH FREQUENCIES

VAS-450 UHF Vehicular Antenna

NSN: 5985-20-005-2606

PN: VD-09-00225-1

THE VAS-450 IS A UHF VEHICULAR DIPOLE WHIP ANTENNA DESIGNED TO PROVIDE UHF COMMUNICATIONS FOR A RANGE OF MILITARY APPLICATIONS. IT IS DESIGNED FOR USE WITH TODAY'S CUTTING EDGE, WIDE-BAND, FREQUENCY AGILE RADIOS. THE VAS-450 BOASTS A POWER HANDLING CAPABILITY OF 200 WATTS AND LESS THAN 2.5:1 VSWR ACROSS THE ENTIRE OPERATING BAND OF 225 MHz TO 450 MHz.

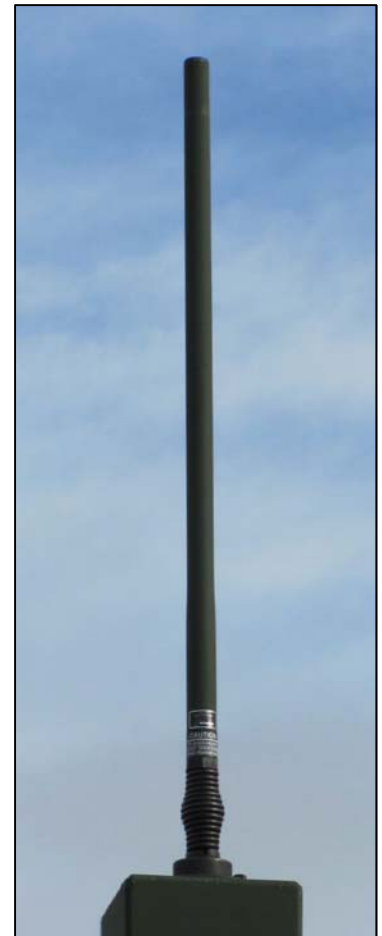
THE VAS-450 ANTENNA COMES IN TWO PIECES; A DIPOLE STYLE ANTENNA, USING REVOLUTIONARY BROAD BAND TUNING TECHNOLOGY, HOUSED WITHIN A FIBREGLASS ENVELOPE, AND AN ALUMINUM MOUNTING FLANGE WHICH ATTACHES TO THE VEHICLE USING A STANDARD VEHICLE 4-HOLE PATTERN.

THE VAS-450 USES VALCOM'S NEW INTEGRATED SPRING/WHIP BASE CONFIGURATION. THIS OFFERS A COMPACT ANTENNA DESIGN THAT IS EXTREMELY RUGGED AND RELIABLE.

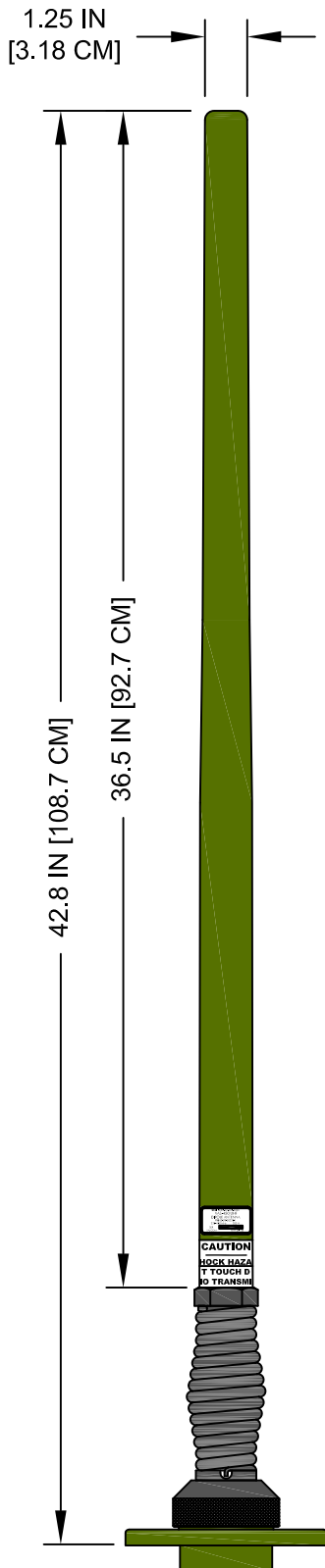
FEATURES:

- WIDE BANDWIDTH
- PERFORMS WITH OR WITHOUT A GROUND PLANE
- EXTREMELY RUGGED AND RELIABLE DESIGN
- BASE MOUNT FOR REPLACEMENT FLEXIBILITY
- EASY ASSEMBLY/DISASSEMBLY

* PATENT PENDING



QUICK REFERENCE DATA VAS-450

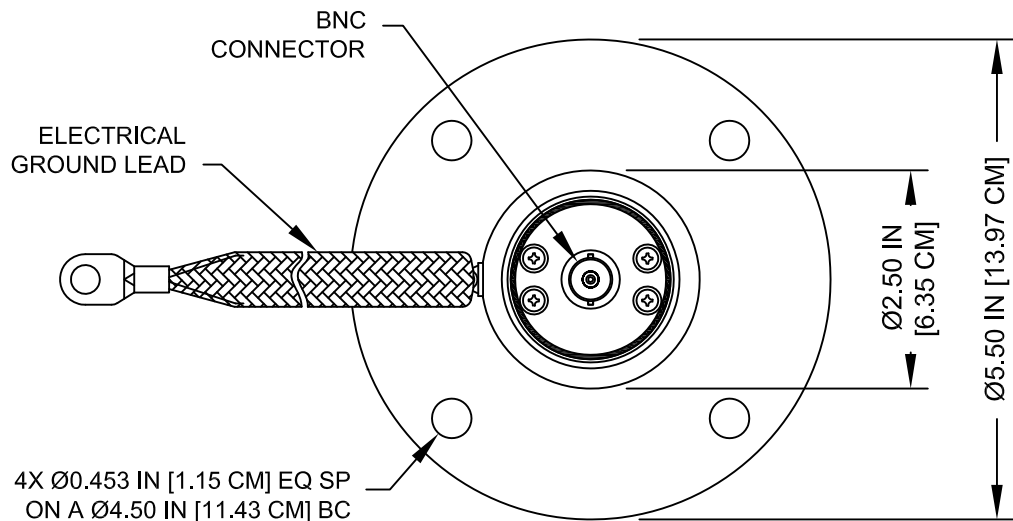


ELECTRICAL

FREQUENCY RANGE	225 - 450 MHz
RADIATION PATTERN	OMNIDIRECTIONAL
GAIN	-1.5dBi TO +2dBi
VSWR	2.5:1 MAXIMUM
POLARIZATION	VERTICAL
POWER HANDLING	200 WATTS CONTINUOUS
HIGH VOLTAGE PROTECTION	ELEMENT: 10 kVrms to MIL-STD-202
NOM INPUT IMPEDANCE	50 OHMS
INPUT CONNECTOR	BNC

MECHANICAL

WEIGHT	7.2 LBS (3.26 KG)
OVERALL HEIGHT	42.8 INCHES (108.7 CM)
TEMPERATURE	-60°F TO +160°F (-51°C TO +71°C)
WIND VELOCITY	100 MPH (160 KPH) OPERATING
IMPACT	25 BLOWS AT 25 MPH ON A 4"X4" OAK BEAM



BOTTOM VIEW

