

World's Leading Manufacturer Of Fibreglass Whip Antennas



SPECIALISTS FOR ULTRA HIGH FREQUENCIES

VAS-450-FB UHF Fixed Base Antenna

NSN:

PN: VD-07-00166-1

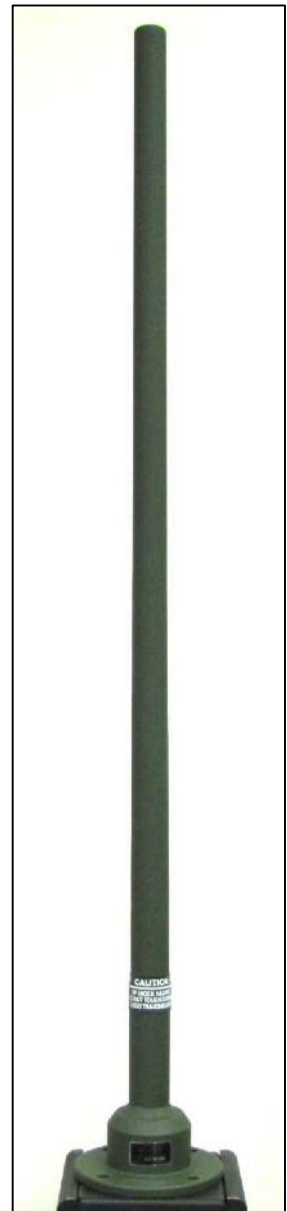
THE VAS-450-FB IS A UHF FIXED BASE DIPOLE WHIP ANTENNA DESIGNED TO PROVIDE UHF COMMUNICATIONS FOR A RANGE OF MILITARY APPLICATIONS. IT IS DESIGNED FOR USE WITH TODAY'S CUTTING EDGE, WIDE-BAND, FREQUENCY AGILE RADIOS. THE VAS-450-FB BOASTS A POWER HANDLING CAPABILITY OF 200 WATTS AND LESS THAN 2.5:1 VSWR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

THE VAS-450-FB ANTENNA IS CONSTRUCTED USING THE SAME REVOLUTIONARY BROAD BAND TUNING TECHNOLOGY AS THE VAS-450 VEHICULAR CONFIGURATION. THE ANTENNA IS A ONE PIECE PACKAGE THAT COMBINES A FIBERGLASS WHIP ONTO AN ALUMINUM MOUNTING BASE. THE WHIP AND BASE ARE PERMANENTLY JOINED TOGETHER FOR A LIGHT-WEIGHT YET EXTREMELY RUGGED AND RELIABLE ANTENNA SYSTEM.

FEATURES:

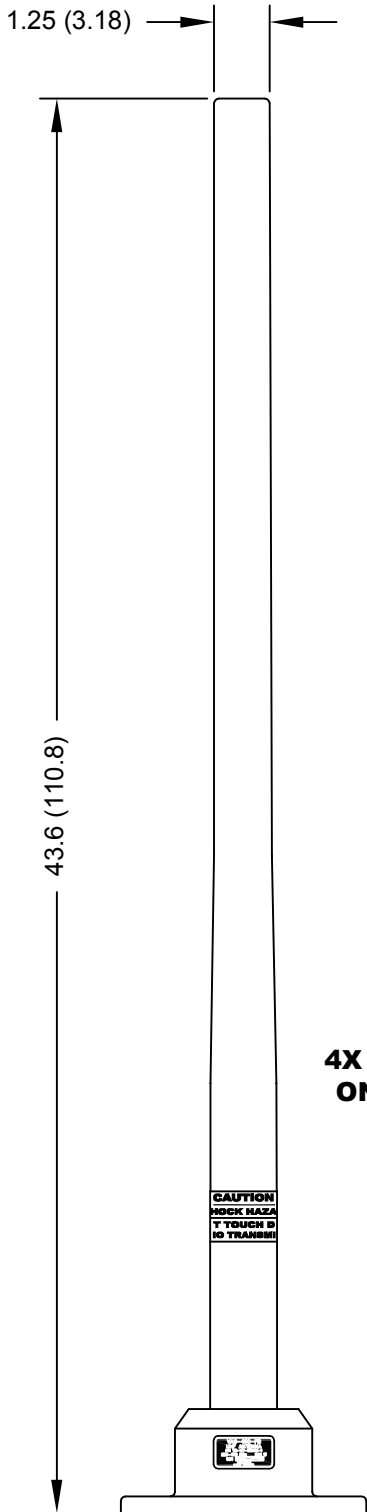
- PERFORMS WITH OR WITHOUT A GROUND PLANE
- LIGHT-WEIGHT
- EXTREMELY RUGGED
- RELIABLE DESIGN
- MINIMUM MAINTENANCE

* PATENT PENDING



QUICK REFERENCE DATA

VAS-450

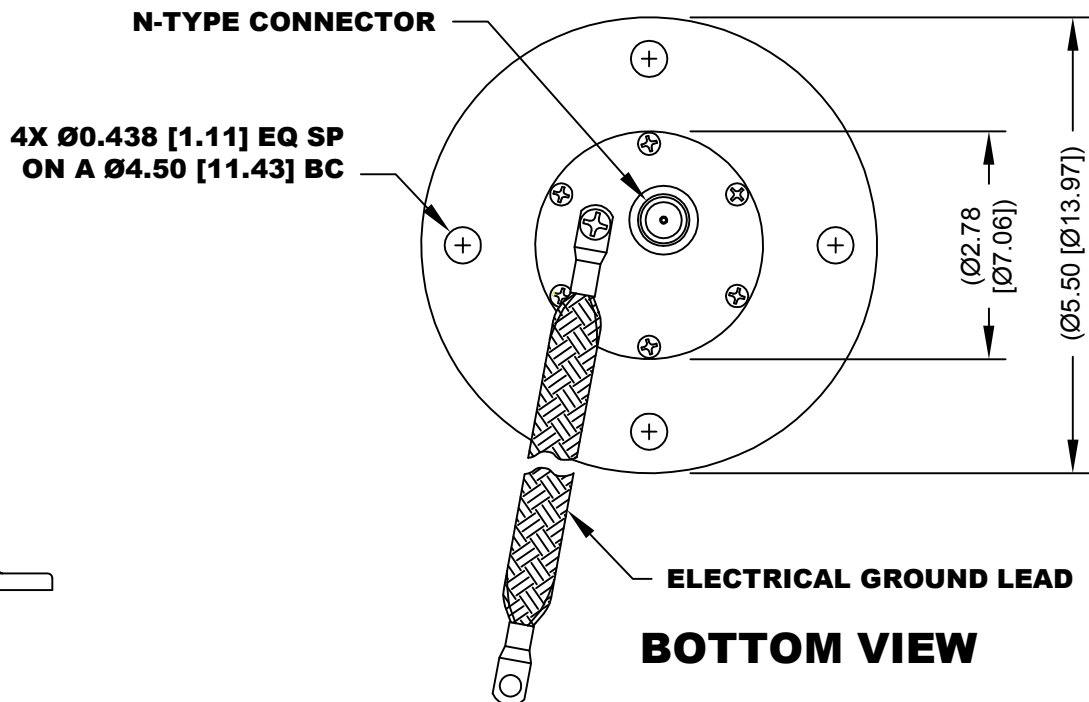


ELECTRICAL

| | |
|-------------------------|----------------------------------|
| 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 | N-TYPE |

MECHANICAL

| | |
|----------------|----------------------------------|
| WEIGHT | 4.7 LBS (2.13 KG) |
| OVERALL HEIGHT | 43.6 INCHES (110.8 CM) |
| TEMPERATURE | -60°F TO +160°F (-51°C TO +71°C) |
| WIND VELOCITY | 100 MPH (160 KPH) OPERATING |



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