

World's Leading Manufacturer Of Fibreglass Whip Antennas



SPECIALISTS FOR VERY HIGH AND ULTRA HIGH FREQUENCIES

TRI-BAND ANTENNA V3B-100512

VALCOM PART NO: VD-07-00125-1

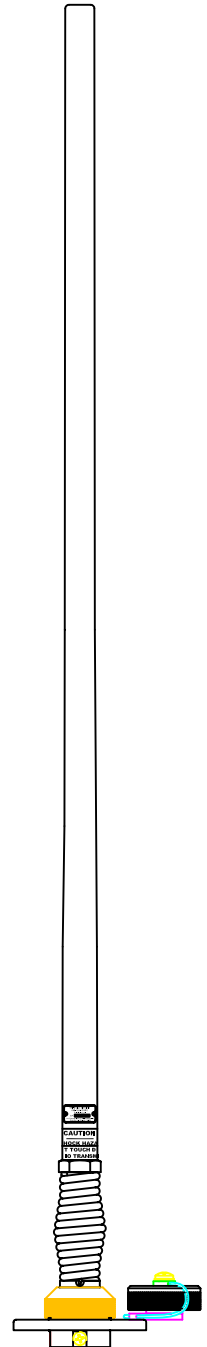
THE V3B-100512 IS A THREE-BAND VEHICULAR WHIP ANTENNA SYSTEM DESIGNED TO PROVIDE VHF AND UHF COMMUNICATIONS FOR A RANGE OF MILITARY APPLICATIONS. IT IS DESIGNED FOR USE WITH TODAY'S CUTTING EDGE, WIDE-BAND, FREQUENCY AGILE RADIOS AND CAN BE USED TO REPLACE A MULTIPLE ANTENNA SETUP.

THE V3B-100512 WHIP ANTENNA COMES IN A ONE-PIECE SYSTEM WITH INTEGRAL MATCHING NETWORKS, ALL HOUSED WITHIN A FIBREGLASS ENVELOPE. THE WHIP HAS AN INTEGRAL BASE SUPPORT SPRING WHICH THREADS INTO AN ALUMINUM MOUNTING FLANGE ATTACHED TO THE VEHICLE USING A STANDARD VEHICULAR MOUNT.

FEATURES:

- WIDE BANDWIDTH
- PERFORMS WITH OR WITHOUT A GROUND PLANE
- RUGGED AND RELIABLE DESIGN
- BASE MOUNT FOR REPLACEMENT FLEXIBILITY
- MULTIPLE INPUTS

* PATENT PENDING



QUICK REFERENCE DATA

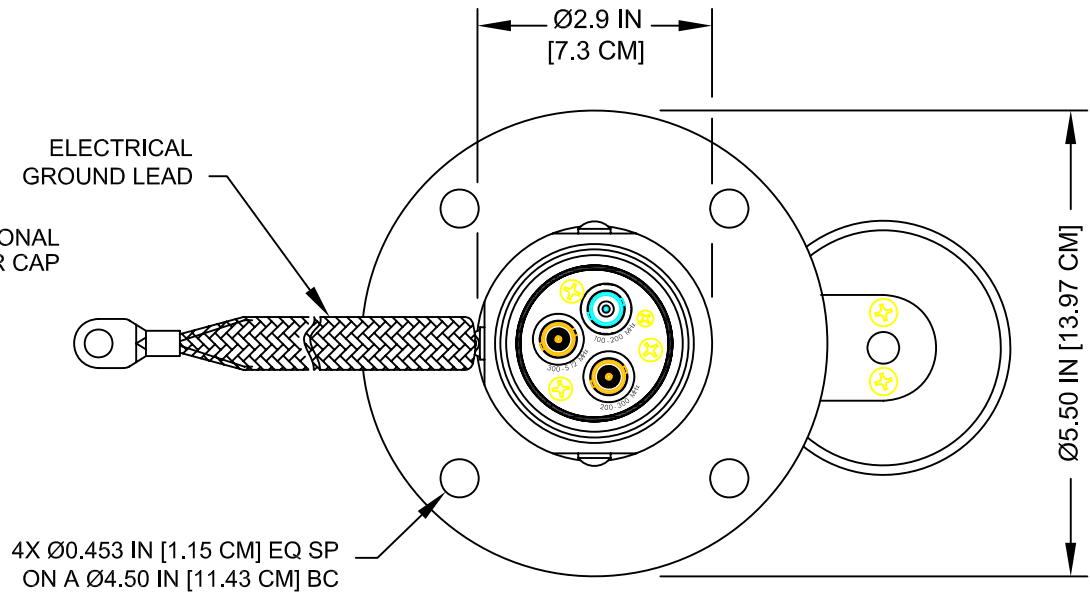
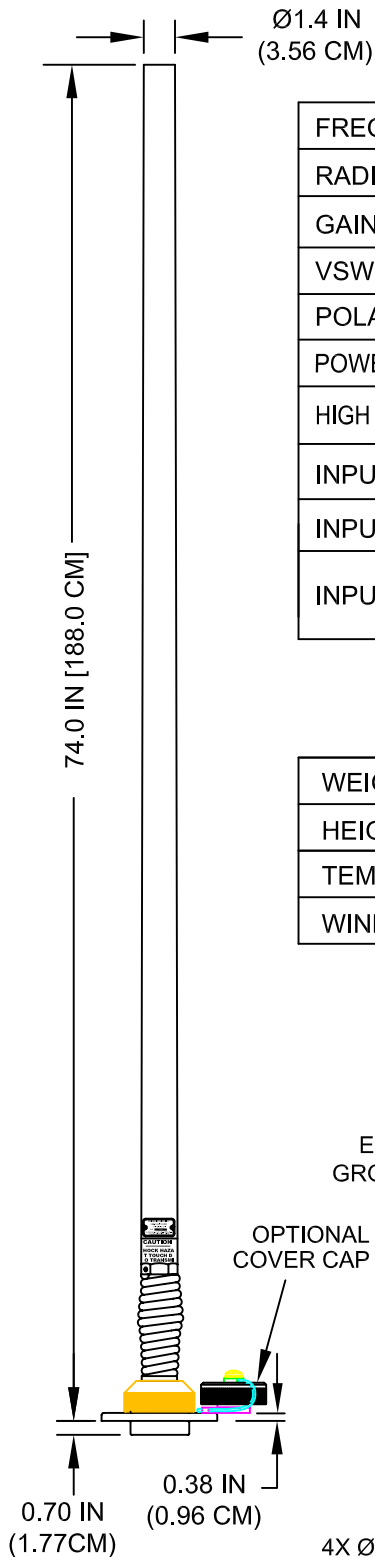
V3B-100512

ELECTRICAL

	INPUT NO.1	INPUT NO. 2 INPUT NO. 2	INPUT NO.3
FREQUENCY RANGE	100 - 200 MHz	200 - 300 MHz	300 - 512 MHz
RADIATION PATTERN	OMNIDIRECTIONAL		
GAIN	-1.0 dBi TO +2.0 dBi		
VSWR	3.5:1 MAXIMUM	3.0:1 MAXIMUM	2.5:1 MAXIMUM
POLARIZATION	VERTICAL		
POWER (CONTINUOUS, CW)	100 WATTS	200 WATTS	200 WATTS
HIGH VOLTAGE PROTECTION	WHIP ELEMENT: 10 kVrms to MIL-STD-202		
INPUT ISOLATION	15 dB MINIMUM		
INPUT IMPEDANCE	50 OHMS (NOM)		
INPUT CONNECTOR	BNC NICKEL PLATED	BNC GOLD PLATED, BLK	BNC GOLD PLATED

MECHANICAL

WEIGHT	12.0 LBS (4.99 kg)
HEIGHT	74 INCHES (188 CM)
TEMPERATURE	-60°F TO +160°F (-51°C TO +71°C)
WIND VELOCITY	50 MPH (80 KPH) OPERATING



BOTTOM VIEW

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 Specifications are subject to change without notice.

