

World's Leading Manufacturer Of Fibreglass Whip Antennas



SPECIALISTS FOR VERY HIGH FREQUENCY

VAS-3088

VHF Vehicular Antenna

PN: VD-11-00110-1

THE VAS-3088 IS A VERTICALLY POLARIZED, OMNI-DIRECTIONAL VHF VEHICULAR WHIP ANTENNA SYSTEM DESIGNED TO MEET EVERY RIGOROUS ENVIRONMENTAL DEMAND OF MILITARY USE. IT IS INTENDED FOR A WIDE RANGE OF MILITARY VEHICLES, TO BE USED WITH ANY RADIO THAT OPERATES WITHIN ITS 30-88 MHz FREQUENCY RANGE.

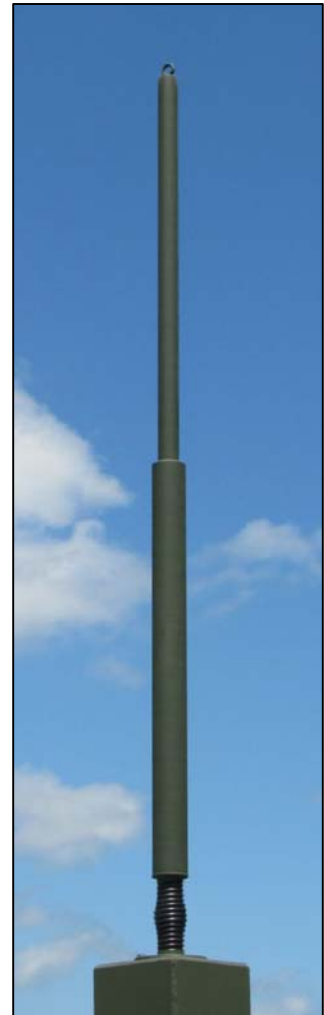
DESIGNED FOR A MAXIMUM OF 200 W OF CW INPUT POWER, THE VAS-3088 EXHIBITS A VSWR OF 2.5:1 OR BETTER ACROSS THE BAND WITHOUT THE NEED OF EXTERNAL TUNERS OR ADJUSTMENT. MAXIMUM POWER IS IN THE HORIZONTAL DIRECTION. TYPICAL GAIN IS +1.0 dBi (NOMINAL).

THE VAS-3088 WHIP COMES IN TWO (2) PIECES, EASILY THREADING TOGETHER, TO CREATE A COMPLETE ANTENNA SYSTEM WITH INTEGRAL MATCHING NETWORKS, ALL HOUSED WITHIN THE FIBERGLASS ENVELOPES. THE LOWER WHIP HAS AN INTEGRAL BASE SUPPORT SPRING ATTACHED TO THE ALUMINUM MOUNTING FLANGE THAT USES A STANDARD VEHICULAR MOUNT. AN EYE BOLT IS INCORPORATED INTO THE TIP OF THE UPPER WHIP FOR EASY TIEDOWN.

EMP (ELECTROMAGNETIC PULSE) AND HIGH VOLTAGE ISOLATION ARE ALSO INCORPORATED INTO THE VAS-3088. THE VAS-3088 PROVIDES ISOLATION TO 20kVRMS (MIL-STD-202), PROVIDING SAFETY TO PERSONNEL AND EQUIPMENT IN THE CASE OF ACCIDENTAL CONTACT WITH OVERHEAD POWERLINES. LIGHTNING STRIKE PROTECTION MEETS THE REQUIREMENTS OF MIL-STD-464.

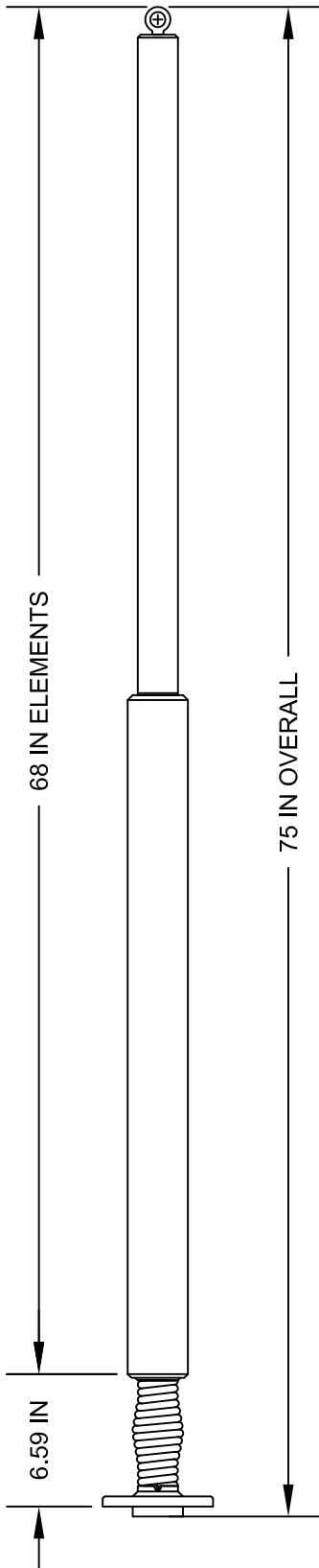
FEATURES:

- RUGGED
- LIGHTWEIGHT
- QUICK AND EASY INSTALLATION
- BROADBAND PERFORMANCE
- NO ADJUSTMENTS NECESSARY



QUICK REFERENCE DATA

VAS-3088



ELECTRICAL

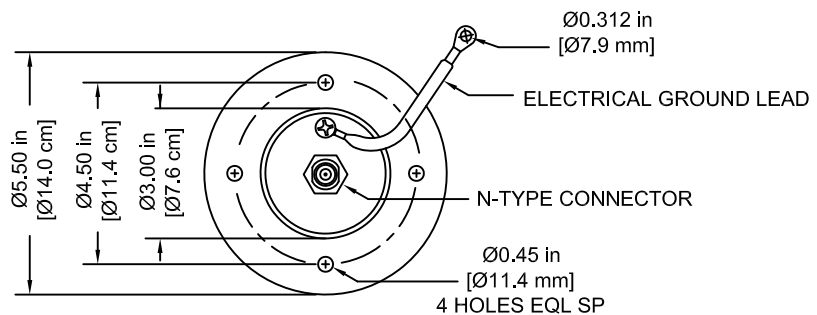
FREQUENCY RANGE	30 - 88 MHz
RADIATION PATTERN	OMNIDIRECTIONAL
GAIN	+ 1.0 dBi (NOMINAL)
VSWR	2.5:1 MAXIMUM
POLARIZATION	VERTICAL
POWER HANDLING	200 WATTS
HIGH VOLTAGE PROTECTION	20 kV RMS, MIL-STD-202
LIGHTNING STRIKE PROTECTION	MIL-STD-464
NOM INPUT IMPEDANCE	50 OHMS
INPUT CONNECTOR	FEMALE TYPE-N (STD), (BNC OPTIONAL)

MECHANICAL

WEIGHT	12.9 LBS (5.85 kg)
HEIGHT	75.0 INCHES (1.90 M)
FINISH	CARC GREEN 383 OR TO CUSTOMER'S REQUEST

ENVIRONMENTAL

TEMPERATURE	-40°F TO +149°F (-40°C TO +65°C)
WIND VELOCITY	100 MPH (160 KPH) OPERATING
IMPACT	25 BLOWS AT 25 MPH ON A 4"X4" OAK BEAM



BOTTOM VIEW



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Specifications are subject to change without notice.